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1928
U. S. PATENT OFFICE
MAY 2 1928
U. S. Department of Agriculture

SEEDS
and
FARM IMPLEMENTS

Since 1848



THE W. E. BARRETT CO.
PROVIDENCE, R. I.



1928

WE MAKE a specialty of supplying market-gardeners with the best strain of seeds obtainable. In addition, we are always on the lookout for improved strains and new varieties, and if, after a trial, they prove better than what we offer, then we list them, but not before. The same applies to our farm and garden tools—we are always looking for the best, and our stock will prove it. Lock over our stock—we have hundreds of tools not listed in this catalogue.

Special: Market-Gardeners, Farmers

and others who use seeds in large quantities are invited to send us a list of their requirements, upon receipt of which we will be pleased to submit our special prices. We have a reliable method of testing all seeds before sending them out, and are always glad to furnish samples of our seeds to all who wish to test for themselves.

HOW SEEDS ARE SENT

POSTAGE PREPAID.—We deliver free, at catalogue prices, to any post office in the United States, all seeds in packets, ounces, and quarter-pounds. Seeds sold by measure, or by the pound, when sent by parcel post, require, in addition to catalogue prices, postage at the rate given in the following table:

UNITED STATES PARCEL POST RATES (Seeds and Bulbs included)	First pound or fraction	Each additional pound or fraction	Packages must not exceed 84 inches (length and girth combined)
Local Rate—Providence P. O. and Substations	\$0.07	\$0.01	Limit of weight, 70 lbs.
1st Zone, within 50 miles of Providence . . . . .	.07	.01	" " " 70 "
2d Zone, over 50 and under 150 miles of Providence . . . . .	.07	.01	" " " 70 "
3d " " 150 " " 300 " " . . . . .	.08	.02	" " " 50 "
4th " " 300 " " 600 " " . . . . .	.09	.04	" " " 50 "
5th " " 600 " " 1000 " " . . . . .	.10	.06	" " " 50 "
6th " " 1000 " " 1400 " " . . . . .	.11	.08	" " " 50 "
7th " " 1400 " " 1800 " " . . . . .	.13	.10	" " " 50 "
8th All cities and towns over 1800 miles from Providence . . . . .	.14	.12	" " " 50 "

REMITTANCES may be made at our risk by Draft, Post-Office Money Order, Express Company's Money Order, or Registered Letter.

We make no charge for packing or cartage. Goods are delivered free to any freight station or express office in Providence.

Cotton bags used in shipping orders are charged at cost, and are returnable at the same price, if returned in good condition in a reasonable length of time.

WARRANTIES.—We give no warranty, express or implied, as to descriptions, quality, productiveness or any other matter, of any seeds, bulbs, or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

Seeds of the best quality will often fail through improper treatment. More failures result from disregard of the conditions necessary to germination than from the quality of seeds used.

LOCAL DELIVERY—Goods delivered locally without charge. Orders by mail or telephone receive the same prompt attention as a personal order.

THE W. E. BARRETT COMPANY

89 to 95 Canal Street and Waterman Street

PROVIDENCE, R. I.

Best-Grade Vegetable Seeds

FOR FARM, MARKET, AND KITCHEN GARDENS

BEST ADAPTED TO
THIS CLIMATE

WE ADVOCATE SEMESAN TREATMENT OF ALL VEGETABLE SEEDS. See page 40

ASPARAGUS

This is one of the first and finest spring relishes which come to the table from the garden, and it really requires very little trouble in cultivation, since a bed once properly made and planted will last for years. The soil for the bed can hardly be made too rich, and the fertilizer should be well trenched in to the depth of 2 feet or more. The roots should be planted as early in spring as the ground can be prepared, setting them a foot apart in rows 3 or 4 feet apart, with the crowns from 4 to 6 inches below the surface of the bed. Asparagus seed may be sown directly in the permanent bed and the plants thinned as they grow; or it may be sown elsewhere, and the seedlings transplanted the second year. Fair crops may be expected the third year.

An ounce of seed will sow 50 feet of drill, and produce about 300 plants

Giant Argenteuil. An early, large variety from France. Less likely to rust than others.

Martha Washington. A variety of recent introduction. Very large and free from blight.

Palmetto. One of the earliest; of large and fine growth.

Asparagus Roots

Palmetto. 2 years old. **Martha Washington.** 2 years old. **Giant Argenteuil.** 2 years old.

INOCULATE THIS SEED WITH
FARMOGERM. See page 22



Golden Wax Beans



Martha Washington Asparagus

BEANS

DWARF, or BUSH

Beans are among our most valuable farinaceous foods, and form a market staple everywhere. The seeds should not be planted before the ground becomes light and warm, in favorable seasons usually about the first of May. Bush Limas should not be planted so early as other sorts, as Limas are particularly sensitive to cold and damp. The soil should be rich and mellow, and the seeds scattered about 3 inches apart in drills from 3 to 3½ feet apart, and covered about 2 inches deep. The plants will need frequent hoeing, but should never be cultivated when the leaves are wet with dew or rain, as this will cause them to rust. Sowings made at intervals of about two weeks until the middle of July will give a supply all season.

One quart of seed will sow 100 feet of drill; 2 bushels will sow an acre

For Beans sent by mail, add postage at rate given in table on second page of cover.

WAX, or YELLOW-PODDED BEANS

Golden Wax. A very popular variety. The vines are hardy, productive; pods long, straight, flattish, very fleshy and wax-like; of the best quality. Beans are small, oval, white, shaded purplish red.

Currie's Rustproof Wax. Valuable from the fact that it seems to be "rust-proof," after having been tested with other Beans which rusted badly.

New Round-Pod Kidney Wax. One of the best round-podded Wax Beans.

Davis Kidney Wax. Pods long, between flat and round, clear waxy in color; seeds pure white; early as Golden Wax. Flavor and eating qualities excellent. Beans pure white, and excellent for canner's use.

Golden-Eye Wax. Extremely vigorous. Pods clear, creamy white, very long, flat, but fleshy, stringless and of good quality; very free from blight and a heavy copper. Popular in this vicinity.

Wardwell's Kidney Wax. Early; excellent. Pods creamy yellow, long, broad, flat, brittle and stringless; Beans kidney-shaped, white, shaded with purplish brown; vines productive, strong and upright.

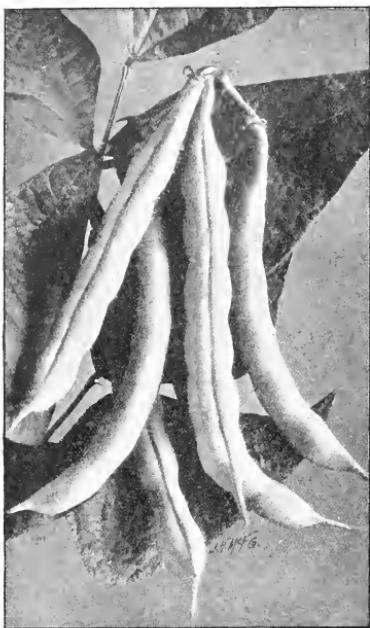
PRICES OF ASPARAGUS

	Pkt.	Oz.	1/4 lb.	Lb.
Giant Argenteuil.....	\$0 10	\$0 15	\$0 35	\$1 00
Martha Washington.....	10	30	1 00	3 00
Palmetto.....	10	15	35	1 00

Roots of Asparagus, 2 years old. \$2 per 100, \$15 per 1,000.

PRICES OF DWARF WAX BEANS

	1/pt.	Pt.	Qt.	1/4 pk.
Golden Wax.....	\$0 20	\$0 35	\$0 60	\$2 00
Currie's Rustproof Wax.....	25	45	75	2 50
New Round-Pod Kidney Wax.....	25	45	75	2 50
Davis Kidney Wax.....	25	45	75	2 50
Golden-Eye Wax.....	25	45	75	2 50
Wardwell's Kidney Wax.....	25	45	75	2 50
Pencil Pod Black Wax.....	20	35	60	2 00



Black Valentine Beans

of thick, broad, handsome pods, which are as large and well filled as those of the Pole Limas; as many as 200 pods have been counted on a single plant. Identical in size and flavor with the Pole Limas, having the same rich, buttery taste, and preferred by many to that variety.

Henderson's Bush Lima. Two weeks earlier than the Pole Limas, and the bushes bear long and continuously. Beans of the small Sieva type.

ENGLISH BROAD BEAN

INOCULATE THIS
SEED WITH
FARMOGERM

See page 22

Broad Windsor. A very hardy, old-fashioned English Shell Bean.

FIELD BEANS

We carry a selected stock of White Kidney, Red Kidney, and Yellow-eye Field Beans at prevailing market prices.

PRICES OF GREEN-PODDED BUSH BEANS

	1/2 pt.	Pt.	Qt.	1/2 pk.
Improved Red Valentine	\$0 20	\$0 35	\$0 60	\$2 00
Black Valentine	20	30	50	1 75
Improved	20	35	60	2 00
Boston Favorite, or Goddard	20	35	60	2 00
Burpee's Stringless Green-Pod	20	35	60	2 00
French Dwarf Horticultural	25	40	75	2 50
Low's Champion	25	45	75	2 50
Longfellow	20	35	60	2 00
Ruby Dwarf Horticultural	25	35	60	2 00

PRICES OF BUSH LIMA BEANS

Fordhook Bush Lima	25	45	75	2 50
Burpee's Bush Lima	20	35	60	2 00
Henderson's Bush Lima	25	40	75	2 50

PRICE OF ENGLISH BROAD BEAN

Broad Windsor	25	40	75	2 50
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GREEN-PODDED BUSH BEANS

French Dwarf Horticultural. This variety, for a Shell Bean, is becoming very popular. It is a heavy cropper; pods long and almost entirely scarlet in color, well filled. Does not blight.

Improved Red Valentine. This strain of Valentine is earlier than any we have ever tested, and more uniform in ripening, with almost entire absence of flat pods.

Black Valentine. One of the best varieties to raise for early market, because of its hardiness, earliness, and good cropping quality.

Bountiful. The pods are long, flat, of good quality, and entirely stringless; early and prolific.

Boston Favorite, or Goddard. Large, handsome red pods, tender and fine for use as snap beans; seeds very large and of delicious flavor, whether used green or dry. The bushes yield heavy crops.

Burpee's Stringless Green-Pod. Extremely early, hardy and productive, bearing an abundance of handsome stringless green pods of fine quality. A great favorite.

Ruby Dwarf Horticultural. Furnishes green-podded Beans of fine quality; seeds yellowish white, with red splashes; large, oval, plump, easily shelled.

Low's Champion. Very productive, with stringless, large, green, flat pods. Excellent either as a String or Shell Bean.

Longfellow. Pods very long, straight, and round, and of a beautiful pale green color; flavor is delicious; in every respect an ideal Snap Bean.

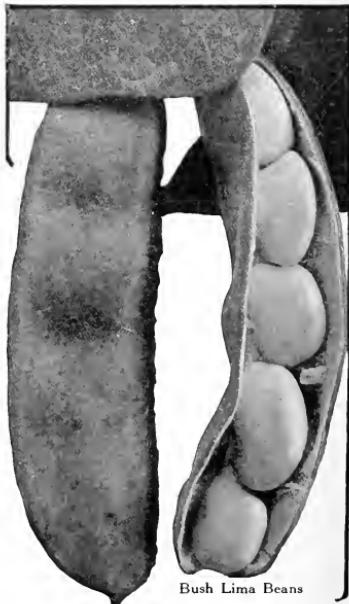
INOCULATE THIS
SEED WITH
FARMOGERM

See page 22

BUSH LIMA BEANS

Fordhook Bush Lima. This new, Bush Lima is of uniformly erect bush habit, branching freely, but with all the branches held upright. It bears tremendous crops and sets plump, well-filled pods freely, even in a cool, wet season. Both pods and Beans are twice as large as those of the Dreen Bush Lima.

Burpee's Bush Lima. Immensely popular. The plants come true from seed, and the dwarf habit has become well fixed. They grow into splendid branching, circular bushes, 18 to 20 inches high and 2 to 3 feet across. The strong constitution of the plant is shown in its stout, thick stalks and large, deep green, leathery leaves, as much as in its enormous yield.



Bush Lima Beans

Inoculate this
Seed with
FARMGERM

See page 22

POLE or RUNNING BEANS

Pole Beans are not so hardy as the Bush sorts, and should be planted several weeks later, when danger from frost is over. Plant the seeds in slightly raised hills, 3 to 4 feet apart, four or five seeds to the hill. The Limas are especially tender, and the rule for late outside planting with them is rigid. Painstaking cultivators, usually the most successful, plant them eye downward, setting stout poles for every hill.

A quart of Limas will plant about 100 hills; a quart of the small sorts about 200 hills.

Golden Cluster. Productive; early; plump, tender, yellow pods, from 6 to 8 inches long, of fine flavor; remains fit for use a long time; vines bear continuously.

Lazy Wife. Popular and productive; pods green, 4 to 6 inches long, broad, thick, fleshy, and entirely stringless; of rich, tender quality. Each one contains from six to eight plump, round, white Beans, which are excellent for winter use; late in maturing, and one of the best of this type of Beans.

Old Homestead or Improved Kentucky Wonder. Excellent; very productive; pods a silvery green color, large and entirely stringless.

Worcester Pole or Mammoth Carmine Horticultural. Beans and pods much larger than the ordinary Horticultural.

Horticultural or Cranberry. Good as a Shell Bean, either green or dry; Beans large, spotted with red, of good flavor; very productive.

Scarlet Runner. Very ornamental, free climber with bright scarlet flowers.

White Runner. Large, white flowers; often planted with the scarlet variety; the effect is very fine

Inoculate this
Seed with
FARMGERM

See page 22

POLE LIMA BEANS

King of the Garden. An improvement on the Large Lima, with large Beans and pods and more productive habit. When not too closely planted, the vines set Beans early, and bear until frost; two vines should be allowed to a hill.

Extra-Early Sieva. A standard variety. The Beans are buttery in flavor.

THE BEST GARDEN BEETS

Deep rich, sandy loam is best for Beets. For early crop sow in hotbeds, and transplant to open ground as soon as it is warm enough. For main crop, sow outside in drills 18 inches apart, and cover lightly. Sow in July for winter crops.

An ounce of seed will sow 50 feet of drill; 5 to 6 pounds to the acre

Crosby's Improved. Flesh is fine-grained, sweet and tender; color deep, rich red.

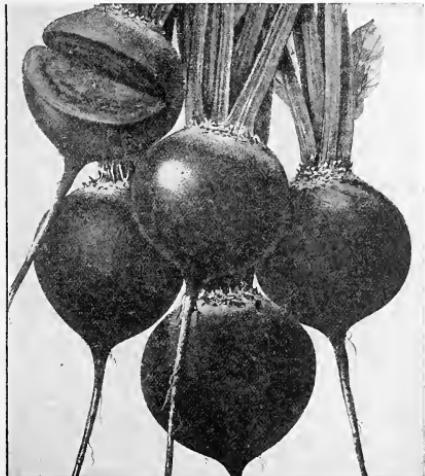
Detroit Dark Red. Splendid shape and color; very crisp, tender, and sweet.

Early Wonder. New, distinct, extra-early, turnip-rooted variety of finest table qualities. Flesh is solid, crisp, and sweet.

Edmand's Blood Turnip. Round, smooth, and uniform in shape; unusually sweet.

Eclipse. Globe-shaped; deep red, with sweet, fine-grained flesh; remains tender a long time.

Swiss Chard (Sea Kale) Beet. Grown for its tender, succulent tops; prepared like spinach.



Detroit Dark Red Beets



Kentucky
Wonder
Beans

PRICES OF POLE BEANS

	1/2pt.	Pt.	Qt.	1/2pk.
Golden Cluster.....	\$0 30	\$0 50	\$0 85	\$3 00
Lazy Wife.....	20	35	60	2 00
Kentucky Wonder.....	20	35	60	2 00
Worcester Pole.....	20	35	60	2 00
Horticultural or Cranberry.....	20	35	60	2 00
Scarlet Runner.....	25	40	75	2 50
White Runner.....	25	40	75	2 50

PRICES OF POLE LIMA BEANS

King of the Garden.....	20	35	60	2 00
Extra-Early Sieva	20	35	60	2 00

PRICES OF BEETS

	Pkt.	Oz.	1/2lb.	Lb.
Crosby's Improved.....	\$0 10	\$0 20	\$0 50	\$1 50
Detroit Dark Red	10	20	50	1 50
Early Wonder.....	10	20	50	1 50
Edmand's Blood Turnip.....	10	15	40	1 25
Eclipse.....	10	15	40	1 25
Swiss Chard (Sea Kale) Beet.....	10	15	40	1 25

PRICES OF BROCCOLI

	Pkt.	1/2oz.	Oz.
Calabrese.....	\$0 25	\$1 25	\$2 00
Purple Cape.....	10	60	1 00
White Cape.....	10	60	1 00

BROCCOLI

Requires the same treatment as cauliflower.

An ounce of seed will produce about 3,000 plants

Calabrese. A sprouting variety. The plant forms a large head which remains green; when the head is cut out, small sprouts develop from the upper side of each leaf branch. Sow in the open ground during the early summer; matures in three months.

White Cape. Heads creamy white, medium size, compact, sure to form, and delicate in flavor.

Purple Cape. Like above, but heads are larger and purplish in color.

SELECT CABBAGE

Early varieties are grown from seed sown in hotbeds in February or March; only moderate bottom-heat being required. Transplant into other frames, without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows 3 feet apart, and about 1½ feet between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way, crops may be grown to lay in for winter use, planting seed as late as July 1. Seeds can also be sown in shallow drills, and, when the plants are large enough, can be transplanted, setting the plants in rows 3 feet apart and 2 feet apart in the row. Succeeds best in deep, rich loam.

Extra-Early Jersey Wakefield.

The best early variety of Cabbage. Heads of medium size, pyramidal, pointed, firm and solid, with few outside leaves; they are very uniform in shape, size, and time of maturing, and are of good quality.

Copenhagen Market. The heads are very solid with a small core and of fine quality; average weight, about ten pounds. It matures as early as the Charleston Wakefield, and will give a much heavier yield than that popular variety; the plant is short-stemmed. Leaves are light green and very tightly folded.

Golden Acre. This is a new, early, round-headed Cabbage which closely resembles Copenhagen Market. As its name implies, it is a money maker. Eight to ten days earlier, smaller and can be planted closer.

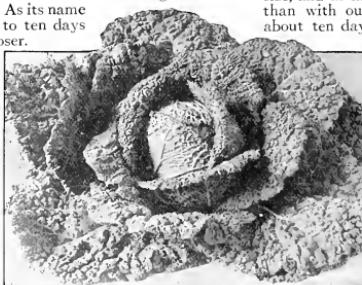
Large Jersey Wakefield, or Charleston. A selection from Early Wakefield, and ten days later, with heads rounded and twice as large.

Enkhuizen Glory. An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green, solid, and heavy.

All Seasons, or Vandergaw. Noted for its superior quality and delicacy of flavor. Almost as early as Henderson's Early Summer, while the heads are larger and quite thick through; a good variety for early and late crops and a splendid winter keeper.



Pe-Tsai, Chinese Cabbage



Improved American Drumhead Savoy Cabbage



Large Jersey Wakefield Cabbage

Select Large Late Flat Dutch. An excellent keeping variety; the old standby for main crops. Very large; of fine quality.

Danish Ballhead. Heads are thick, round, of medium size, and as hard as a rock. The stump averages longer than with our native sorts. For late marketing, plant about ten days earlier than the common Drumhead on land liberally manured.

Improved American Drumhead Savoy. Heads large, solid, with finely curled, close, wrinkled leaves, of cauliflower flavor. A good keeping, fine winter Cabbage.

Red Dutch. Widely grown for pickling. A good red Cabbage.

Warren's Stonemason. A greatly improved type of Stonemason, being earlier, rounder, and more solid. Will be largely planted when better known.

CHINESE or CELERY CABBAGE

We particularly call your attention to this new vegetable which is remarkably well adapted for growing in the private garden. We have never known of a novelty vegetable which has taken greater strides in popularity.

Pe-Tsai. This delicious Chinese vegetable belongs to the Cabbage family and closely resembles a well-grown Cos lettuce, but is heavier. We advise that the seed be sown about August 1 (not earlier). Either start in frames and transplant, or simply sow where the plants are to remain in rows, 2½ feet apart, thinning to 1 foot apart in the row. The light green, crumpled-leaved heads are very tender and of a delicious flavor.

BRUSSELS SPROUTS

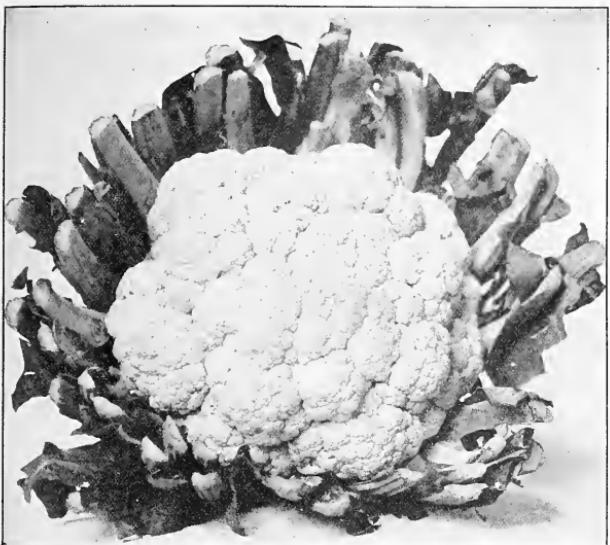
This is a very delicate-flavored species of cabbage, with small, solid, tender heads clustered thickly along the main stem. Properly cooked and seasoned, they are delicious, melting away in the mouth like fine cauliflower. Sow seed in April or May and cultivate like cabbage. Hardy, and the heads are improved by frost.

An ounce of seed will produce 3,000 plants

Dwarf Improved. Plants dwarf, with small, solid, tender heads growing very close together along the stem. Pkt. 10 ets., ½oz. 25 ets., oz. 40 ets., ¼lb. \$1.25.

PRICES OF CABBAGE

	Pkt.	10 ets.	½oz.	Oz.	¼lb.
Extra-Early Jersey Wakefield	\$0	10	\$0 20	\$0 35	\$1 00
Copenhagen Market	10	25	40	1 25	2 00
Golden Acre	10	25	35	1 00	1 00
Large Jersey or Charleston Wakefield	10	20	35	1 00	1 00
Enkhuizen Glory	10	20	35	1 00	1 00
All Seasons, or Vandergaw	10	20	35	1 00	1 00
Select Large Late Flat Dutch	10	20	35	1 00	1 00
Danish Ballhead	10	25	40	1 25	2 00
Improved American Drumhead Savoy	10	25	40	1 25	2 00
Red Dutch	10	25	40	1 25	2 00
Warren's Stonemason	10	25	40	1 25	2 00
Chinese or Celery	10	30	50	1 50	1 50



Early Snowball Cauliflower

PRICES OF CAULIFLOWER

	Pkt.	1/4oz.	1/2oz.	Oz.
Henderson's Early Snowball.....	\$0 25	\$1 00	\$1 75	\$3 00
Danish Giant.....	25	1 00	1 75	3 00

PRICES OF CHICORY

	Pkt.	Oz.	1/4lb.
Large-rooted Magdeburg or Coffee.....	\$0 10	\$0 30	\$0 75
Witloof, or French Endive.....	10	35	1 00

CARROTS

Carrots succeed best on light, sandy loam, which, preferably, should have been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed as early in spring as the ground can be prepared, firming the soil down over it. If sown late, it should be soaked in tepid water, then mixed with plaster or sifted coal-ashes, and sown on freshly prepared soil. Quick germination and rapid growth are necessary.

An ounce of seed will sow 100 feet of drill; 4 pounds will sow an acre.

Early Scarlet Horn. Best for forcing and early outdoor crops; can be grown in shallow soils, and requires no thinning if sparingly sown, as the roots are used when young for cooking. They are about 3 inches long, and of very good quality.

Feonia. A novelty from Denmark. A cross between the well-known Nantes and Chantenay varieties.

Chantenay. Handsome roots, broad-shouldered and smooth, and more uniform than the Danvers. Of superior flavor.

Improved Long Orange. Extensively grown; hardly equal to Danvers in quality, but good and heavy in yield.

Danvers Half-Long. Enormously productive; adapted to all soils. The roots are smooth, thick and intermediate between Scarlet Horn and Long Orange in form.

Okheart, or Guarande. Very short, smooth, and thick, and well adapted to shallow soils.

Large White Belgian. For stock-feeding and especially suited to shallow soils. Roots white-fleshed, broad at the shoulder and narrowed abruptly to a point.

CAULIFLOWER

Sow the seeds for early and late Cauliflower crops as directed for cabbage, but do not set the early plants in the field too soon, for if too much stunted by severe frosts, they begin to form heads before they are strong enough to develop them well. Plants which have not headed before winter sets in may be stored in a cool cellar or coldframe, and will form heads there without any further attention. A deep, loamy soil, with a substratum of moisture during dry weather is most suitable for the Cauliflower. Market-gardeners find this one of their most profitable crops, and amateurs who undertake its culture find it easy; but it is a crop in which carelessness or neglect will interfere with the best results.

An ounce of seed will produce about 3,000 plants.

Henderson's Early Snowball. This is the earliest and most popular variety in cultivation, and is largely grown everywhere, both for forcing and early crops outside. The plants are dwarf and sure heading; of fine, delicate flavor.

Danish Giant. Finest Danish-grown seed.

Almost as early as the Snowball, with larger heads. Very reliable header. A feature of it, the leaves curling over the head, does away with tying to blanch, and gives it the name of Self-protecting Cauliflower. Excellent for market or family use.

CHICORY

The seed should be sown as early as possible in spring, in good, mellow soil; make the drills at least half an inch deep.

Rooted Magdeburg, or Coffee. The roots of this variety form the Chicory of commerce. The leaves, when blanched, make an excellent salad.

Witloof, or French Endive. Esteemed as a salad plant. Spring-grown seeds produce parsnip-like roots by November. Cut the leaves off 1½ inches from neck, trench 1½ inches apart, cover with soil 8 inches over crown; then place a 2- to 3-foot layer of fresh manure which induces new growth of blanched leaves folded like cos lettuce, which are eaten raw as salad.

CARROTS	Pkt.	Oz.	1/4lb.	Lb.
Ea. Scarlet Horn, \$0 10	\$0 25	\$0 75	\$2 00	
Chantenay.....	10	25	75	2 00
Imp. Long Orange.....	10	20	50	1 50
Danvers H.-Long.....	10	20	60	2 00
Oxheart.....	10	20	60	1 75
L. W. Belgian.....	10	15	40	1 00
Feonia.....	10	40	1 00	3 50



Improved Long Orange Carrots



Golden Plume Celery

CRESS

The leaves form spicy spring salads, and are also used for garnishing. Sow thickly in shallow drills in early spring, and at intervals for continual supply, as it soon runs to seed.

Water Cress. Tender, crisp, and spicy when young. Plant of prostrate habit. A perennial aquatic, which grows well in any stream, forming large beds of leaves.

Extra-Curled or Pepper-Grass. Of pleasant, pungent flavor; leaves can be cut several times; grows well in almost any soil.

PRICES OF CELERY	Pkt.	1/2oz.	Oz.	1/4lb.
Easy Blanching.....	\$0 10	\$0 30	\$0 50	\$1 50
Winter Queen.....	10	30	50	1 50
Giant Pascal.....	10	30	50	1 50
Paris Golden.....	10	60	1 00	3 00
Boston Market.....	10	30	50	1 50
Golden Plume.....	25	1 25	2 00	5 00

PRICE OF CELERIAC	Pkt.	1/2oz.	Oz.	1/4lb.
Prague Giant.....	10	30	50	1 50

PRICE OF CARDOON	Pkt.	1/2oz.	Oz.	1/4lb.
.....	10	60	2 00	

PRICE OF CORN SALAD	Pkt.	1/2oz.	Oz.	1/4lb.
.....	10	25	75	

PRICES OF CRESS	Pkt.	1/2oz.	Oz.	1/4lb.
Water Cress.....	10	35	60	2 00
Extra-Curled or Pepper-Grass	10	15	45	

CELERY SEED

Celery can be grown in any soil, but is finest on deep, mellow bottom land. Seed for early crops should be sown in hotbeds about March 15; if sown too early, the plants are apt to run to seed after being transplanted. The plants may either be thinned to give them room to grow, or transplanted to another bed to grow until it is time to plant them in the open ground. For the main crop, seed should be sown in the open air as soon as the soil and air are warm enough. They should be covered very lightly, or merely pressed into the earth with a board, if the soil is fine and mellow. The seed-bed must be kept free from weeds and well watered in dry weather. When the plants are large enough, transplant them to shallow trenches or furrows from 4 to 6 feet apart, according to the variety grown, setting the plants 6 inches apart in the rows, and pressing the soil firmly around them. They must be well cultivated and kept free from weeds until ready for blanching, which consists in drawing earth up to the stalks at intervals of about two weeks, until all but the tops of the plants are covered. During this process no earth should be allowed to fall into the center of the plant, as this would cause them to rust or decay.

An ounce of seed will produce about 2,000 plants

Golden Plume Celery. A new early Celery of great merit. Large, robust stalks, easily blanched, blight-proof, and of that crispness and nutty flavor so much desired. We consider this and our strain of Originator's Golden Self-blanching, the two finest Golden Celeries in cultivation.

Easy Blanching. This will mature just after the Golden Self-blanching has been harvested. The general color is pale green, with a slight yellowish tinge, which gives it a blanched appearance. The inner stalk, at a very early stage of growth, blanches to a rich golden yellow, so that the usual banking work is eliminated. If stored properly, this variety will keep in good condition all winter without difficulty.

Giant Pascal. The stalks are remarkably broad and thick, and about 2 feet high, yet blanch quickly with but slight banking. Their rich, nutty flavor is entirely free from any bitter taste, and they are tender, crisp, and stringless. A valuable sort for both early and late use.

Paris Golden. Self-blanching. Has stalks of beautiful golden yellow, equal in quality to those of any variety grown. Plants semi-dwarf and vigorous, with large, ribbed and rounded stalks, which are quite crisp and tender. Distinguished, when quite small, by the distinct yellowish green of its leaves. One of the best and handsomest of Celeries in our collection.

Boston Market. The dwarf, branching variety grown so extensively about Boston. It is unequalled by any other sort, being solid, crisp, and of excellent flavor. Its compact, dwarf habit allows closer planting and requires less earthing up than taller sorts. Especially desirable as a market variety but also good for the home garden.

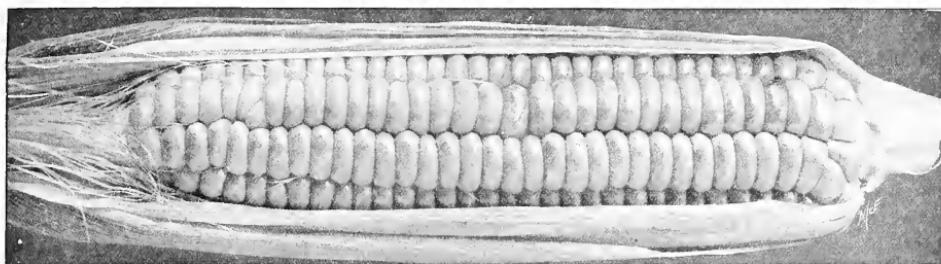
CELERY TAPE. For bunching Celery and other vegetables. Price for 1,000-yard spool, \$2.25.

CELERIAC or TURNIP-ROOTED CELERY

The seed should be sown in early spring, in light, rich soil; the seedlings transplanted in May, and watered freely in dry weather. They will be ready for cooking in October and may be preserved for use during winter in dry sand. Celeriac is said to be as fine a nerve tonic as celery, and can be grown in many sections where celery culture is practically impossible. The roots have almost the same flavor as the crisp white celery stalks, and do not require half so much care in banking, while they keep perfectly with no more care than a crop of turnips—much longer than celery stalks can be kept in good condition.

An ounce of seed will produce about 5,000 plants

Prague Giant. The roots of this variety are very large and smooth, with no side roots, and sell better in market than those of almost any other sort offered. When young, they are quite tender and marrow-like, having a very fine flavor and cooking quickly.



Golden Bantam Sweet Corn

CORN, Sweet or Sugar

It is our opinion, after several years of testing, side by side, that eastern-grown Sweet Corn is far superior to western in sweetness, and also retains this necessary quality for a much longer time. This is also the opinion of many of our local market-gardeners. *Our entire stock for this season we guarantee to be New England-grown.* This delicious vegetable may be enjoyed from early summer until frost if proper varieties are selected and planted for succession every two weeks from May until the middle of July. If the seed is planted too early, before the ground becomes warm, it is liable to decay. Plant in hills 3 to 4 feet apart each way, five or six kernels to a hill; or in rows 4 to 5 feet apart, scattering the seed thinly in the rows. The taller-growing the variety, the richer should be the soil and the wider the space allowed for development.

On Corn, if to be sent by mail, add postage at the rate given in table on second page of cover

EARLY VARIETIES

Early Dighton. This is one of the earliest white Sugar Corns known. Similar to but fully five days earlier than Red Cory. A valuable acquisition for northern states where the season is short.

Golden Bantam. Stalks about 4 feet high; ears about 6 inches long; grains rich creamy color, and is actually the finest flavored of all Sweet Corn; very early.

Whipple's Yellow. Stalks short; ears set quite low, of fair size, and well filled with large grains of fine quality and flavor.

Early Mayflower. One of the earliest; uniform as to type and productiveness; ears large, evenly and compactly filled with tender, white kernels of very fine quality for a first-early. **Howling Mob.** For second-early crop. Large, well-filled ears, and a sure seller.

SECOND EARLY AND GENERAL CROP

Carpenter's Golden Sweet. Ears about double the size of Golden Bantam; about ten days later, quality fine, without the mealy taste of most yellow Corns.

Early Crosby. Ears good-sized, 12-rowed, filled with thick, sweet grains; but little later than Perry's Hybrid. Productive, vigorous, and hardy.

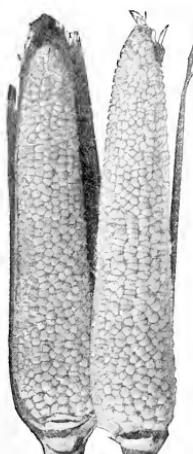
Squatum Sweet. Best for table use. Our stock is pure, being grown by us from selected ears.

Country Gentleman. Ears of good size and well filled to the tips with deep, tender, white grains of delicious quality; cobs small; stalks productive, averaging three ears each.

Stowell's Evergreen. Ears large, with deep, tender, sugary grains, and remain fit for use longer after maturity than any other Sweet Corn. Productive and hardy; adaptable as an early or a late sort; fine for private garden, market, and canning.

Early Mammoth. Enormous ears, frequently weighing two to three pounds; cobs large, grains flat; quality very good; very productive, and matures a little earlier than Stowell's Evergreen.

Bearfoot. A late variety of extraordinary sweetness; large ears; very desirable for market.



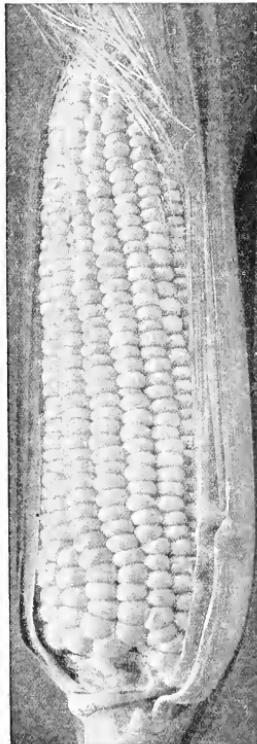
Country Gentleman Corn

PRICES OF EARLY SWEET CORN

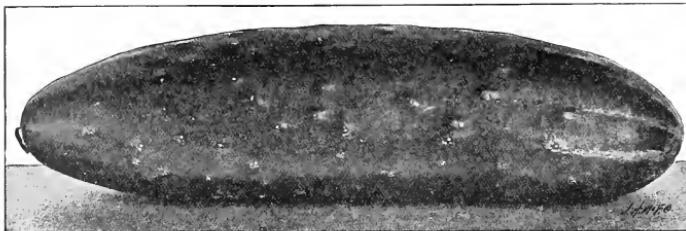
	1/2pt.	Pt.	Qt.	1/2pk.
Early Dighton	\$0	20	\$0	30
			\$0	50
			\$1	50
Golden Bantam	20	30	50	1 50
Early Mayflower	20	30	50	1 50
Howling Mob	20	30	50	1 50
Whipple's Yellow	20	30	50	1 50

SECOND-EARLY

	1/2pt.	Pt.	Qt.	1/2pk.
Carpenter's Gol. Sweet	\$0	20	\$0	30
			\$0	50
			\$1	50
Early Crosby	15	25	40	1 25
Squatum Sweet	15	25	40	1 25
Country Gentleman	20	30	50	1 50
Stowell's Evergreen	20	30	50	1 50
Early Mammoth	15	25	40	1 25
Bearfoot	25	40	75	2 50
Black Mexican	25	40	75	2 50



Stowell's Evergreen Corn



Barrett's Improved Long Green Cucumber

two weeks until midsummer. Extra-early crops may be grown by planting the seed in hotbeds in April, upon pieces of sod turned upside down, and removing these to hills in the open ground as soon as the weather is warm enough. For pickles, sow the seed from the middle of June until the middle of July. The vines bear longer if the fruits are gathered as soon as they are large enough; their strength is soon exhausted by ripening fruit.

An ounce of seed will plant 50 hills; 2 pounds will plant an acre

Barrett's Hothouse. The finest strain of Cucumber for forcing.

Boston Pickling. Very popular for pickles; fruit smooth and symmetrical, but slightly pointed at the ends; bright green.

Fordhook White Spine. Early, productive, and suitable either for forcing or outdoor crops. Fruit of medium size, good shape, light green, with a few white spines on the surface.

Cumberland. The best pickling sort yet introduced; very handsome and productive; flesh firm but very crisp and tender at all stages of growth; straight and symmetrical.

Improved Long Green. The leading long-growing sort, and excellent for pickles. The fruits are dark green, long, well-shaped, firm, and crisp.

Everbearing. The vines produce fruit until frost; early and productive. Fruits are small, well shaped, and of good quality for pickling.

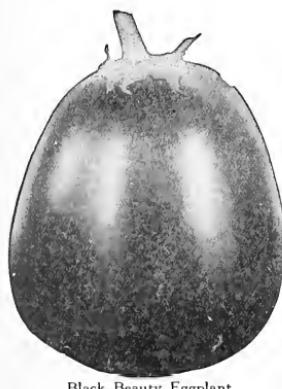
Early Cluster. Produced in clusters, and abundantly; short, dark green, firm, crisp, and tender.

Davis Perfect. After several years' trial, we give the introducer credit for all he claims for it.

Japanese Climbing. Vigorous, tall-climbing, and elings tightly to trellises. Fruits almost straight, large, and from 12 to 16 inches long; skin dark green; flesh thick and delicately flavored.

West India Gherkin. Its small, rough, prickly fruits are used for pickling. The vines grow quite rapidly and bear heavily.

English Frame, Best Varieties: Sion House and Telegraph.

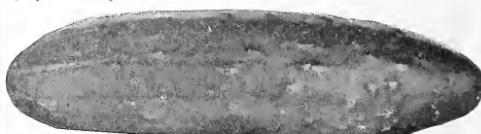


Black Beauty Eggplant

CUCUMBER

All the Best Sorts for Salads and Pickling

For general crop, the seed cannot be planted in the open ground before the weather has become warm and settled and the ground mellow and light. Plant the seed in well-enriched hills, about 4 feet apart each way, and as soon as all danger from insects is over, thin the plants to leave four of the strongest in each hill. For succession, sow at intervals of every



Fordhook White Spine Cucumber

PRICES OF CUCUMBERS	Pkt.	Oz.	1/4lb.	Lb.
Barrett's Hothouse.....	\$0 15	\$0 60	\$2 00	\$7 00
Boston Pickling.....	10	20	50	\$1 50
Fordhook White Spine.....	10	20	50	1 50
Cumberland.....	10	20	50	1 75
Improved Long Green.....	10	20	50	1 75
Everbearing.....	10	20	50	1 75
Early Cluster.....	10	20	50	1 50
Davis Perfect.....	10	20	65	2 00
Japanese Climbing.....	10	20	65	2 00
West India Gherkin.....	10	25	75	
English Frame: Sion House and Telegraph.....				Each, 50

PRICE OF DANDELION	Pkt.	1/2oz.	Oz.	1/4lb.
Improved American Thick-leaved.....	\$0 10	\$0 35	\$0 60	\$2 25

PRICES OF EGGPLANT	Pkt.	1/2oz.	Oz.	1/4lb.
Black Beauty.....	10	30	50	1 75
Improved Long Purple.....	10	30	50	1 75

DANDELION

Furnishes an early and most healthy crop of spring greens. Sow early in rich soil, in rows about a foot apart; cover them only $\frac{1}{4}$ inch deep and firm soil down. Thin to 10 inches apart in the rows, that the roots may grow large and solid. Time required for maturity, one year.

An ounce of seed will sow 100 feet of drill; a pound will sow an acre

Improved American Thick-leaved. The best variety.

THE BEST EGGPLANT

Sow the seed in hotbed early in March, transplant to small pots, and plunge them in the same beds; this is to make them strong and stocky. They should not be planted out in rows until May or June, when the weather becomes warm and settled, as cool nights and wet weather will check their growth. Set the plants in rows 3 feet apart each way, and give them a thorough cultivation, drawing the earth up to the stems when they are about a foot high; it is well to keep some plants in the hotbed for replanting. Repeated sowings are sometimes necessary, as the seed does not germinate freely without strong and uniform heat. In cutting the fruit, be careful not to injure the plants.

An ounce of seed will produce 1,000 plants

Black Beauty. The leading market variety, strong and productive in habit. The fruits are deep purple, large and smooth, entirely free from thorns, and the flesh is white, tender, and delicately flavored. The plant is robust and a good yielder on all rich soils.

Improved Long Purple. An early, hardy, and prolific variety with fruits of excellent quality, 6 to 10 inches in length and 2 to 3 inches in diameter. It is a rich dark purple in color.

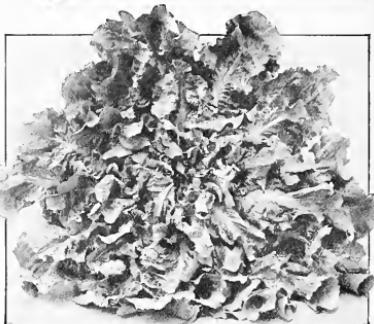
ENDIVE (The Winter Salad)

This is an important fall and winter salad. For early crop, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand a foot apart in the rows. Sowings for the main crop can be made in June and July, as the vegetable is used principally in fall and winter. The inner leaves may be blanched to a beautiful yellowish white in from three to five weeks by tying the tips of the outer ones together, or by laying boards over the plants.

An ounce of seed will sow 100 feet of drill

Green Curled. The one most generally cultivated. Dark green leaves, beautifully curled, and, when blanched, very crisp and tender; they are ready for use a little earlier than the other sorts.

Broad-leaved Batavian. The broad, thick leaves make excellent salads when blanched. The plant is very hardy, and yields heavier crops than other sorts, but does not blanch so easily.



Broad-leaved Batavian Endive

KALE, or BORECOLE

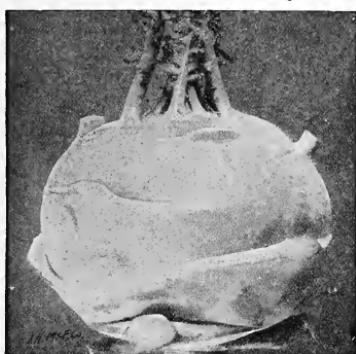
Under this name are classed several species of the cabbage family which do not form heads. Some of them have very tender leaves of delicate flavor, and

all are quite hardy, being improved rather than injured by frost. Sow the seed in beds in April or May and transplant and cultivate the seedlings like cabbage. They grow in almost any soil.

An ounce of seed will sow about 200 feet of drill

Tall German Greens (Siberian Kale). A standby everywhere for winter greens. The seed is generally sown broadcast, but can be sown in drills a foot apart in September, and the plants treated like spinach; they will be ready for use early in the spring.

Dwarf Curled Green Scotch. A dwarf, spreading variety, seldom exceeding a foot in height, but rounding out to a diameter of 2 feet under good cultivation. The leaves are bright green, tender, and elegantly curled. The variety is very hardy and one of the best grown. Two weeks later than the preceding sort, but stands longer before going to seed.



Early White Vienna Kohlrabi

KOHLRABI

This Turnip-rooted Cabbage is very palatable when prepared for the table like turnips, and when fed to cows gives no unpleasant flavor to the milk. If the weather is favorable, the seed should be sown in April, in rows 1½ feet apart, and the seedlings thinned to stand a foot apart for large varieties, and 6 to 8 inches apart for other sorts; they are somewhat difficult to transplant. The stems swell into large bulbs just above the ground, and these are fit for use when 3 to 4 inches in diameter. For late crops, sow in June or July.

An ounce of seed will produce about 3,000 plants

Early White Vienna. The best and earliest market sort. The plants grow rapidly, have small foliage, and mature their fine, round, white bulbs quite early; flesh fine-grained, white, tender, and good; tops quite short.

Early Purple Vienna. This variety differs from the above mainly in the color of its roots, which are bluish purple; in quality they are superior to those of many other sorts.

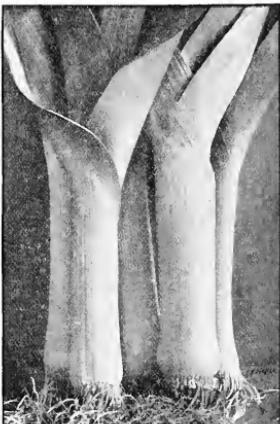
LEEK

The Leek is generally considered superior to the onion in flavor, and is much used for seasoning soups and boiling with meats. The plants are easily cultivated and very hardy, enduring the severest winter weather without protection. The seed should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 8 inches apart, in rows from 12 to 15 inches apart. For a winter supply of this, sow seed in the open ground in early spring and thin the seedlings until they have room for development, or transplant them as above; the former method gives larger stalks some time earlier than when the roots are transplanted. They should be stored like celery for winter.

An ounce of seed will sow about 100 feet of drill

Musselburg. Hardy; popular; broad, spreading leaves; very large stalks.

London Flag. The variety most extensively cultivated. The stalks are large and the leaves grow from their sides, as in the flag.



London Flag Leeks

PRICES OF ENDIVE

	Pkt.	1/oz.	Oz.	1/lb.
Green Curled...	\$0 10	\$0 15	\$0 25	\$0 75
Broad Batavian...	10	15	25	75

PRICES OF KALE

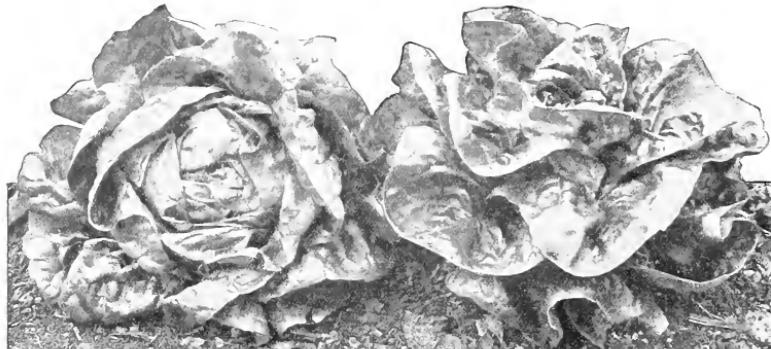
Tall Ger. Greens..	10	15	20	60
Dwf. Curled Green Scotch	10	15	20	60

PRICES OF KOHLRABI

	Pkt.	1/oz.	Oz.	1/lb.
Early White Vienna...	\$0 10	\$0 20	\$0 35	\$1 00
Ea. Pur. Vienna...	10	20	35	1 00

PRICES OF LEEK

Musselburg.....	10	20	35	1 00
London Flag.....	10	20	35	1 00



May King Lettuce

summer months. Drought and hot weather are its worst enemies, as during such periods it inclines to run up to seed. Seed may be sown in a frame in February or March, not much bottom heat being required. The plants may be set out as early as the ground can be worked, as light frosts will not injure them. Set in rows about $1\frac{1}{2}$ feet apart, leaving 8 to 10 inches space between the plants. For successive crops, sow every two weeks up to July.

One ounce of seed will produce 3,000 plants

Hothouse Lettuce. This is especially adapted for growing in the greenhouse or hotbed. Forms very large heads, not liable to rot in the heart, making it a most valuable sort for the market-gardener. A favorite in the Boston and New York markets. The largest plain-leaf Lettuce.

Tomhannock. Leaves almost white, crisp, and tender; edges of the outer leaves reddish bronze; very handsome.

Salamander. A valuable outdoor Lettuce. Of large size, solid, good color; stands well during the hot summer months.

May King. A recent variety of great value on account of its extreme earliness, large size, and tenderness. Will head with heat as well as outdoors, though it attains a better size with open-air culture. Has a globular-shaped head of enormous size, hard and well closed. A decided acquisition for the market and home-gardener, and bids fair to be one of our most popular sorts.

Black-seeded Tennisball. This variety is the most popular for outdoor culture. It forms a handsome, compact head, with very few outside leaves, and is crisp and tender.

Boston Market (White-seeded Tennisball). Grown extensively under glass, by market-gardeners for winter use; very compact head.

Big Boston. Similar to the Boston Market, with heads twice as large and a week later in maturing. The solid, large heads make them of great value for general crop.



Fennel

FINOCCHIO or FLORENCE FENNEL

A delicious Italian vegetable which tastes quite like Celery, but is a little sweeter and more delicate in flavor. The enlarged leaf-bases are usually boiled in preparation for the table.

	Pkt.	Oz.	1/2 lb.	Lb.
Hothouse	\$0	10	60	\$2 00
Tomhannock	10	25	75	\$2 00
Salamander	10	25	75	2 00
May King	10	25	75	2 00
Black-seeded Tennisball	10	25	75	2 00
Boston Market	10	25	75	2 00

PRICES OF FINOCCHIO, or Florence Fennel.

PRICES OF MUSTARD, White London.

LETTUCE

Lettuce is a plant of most simple culture when grown in the open air. It requires rich soil, plenty of well-rotted manure, and abundant moisture. With these conditions, its growth is vigorous and rapid; and to be crisp and tender it should be grown quickly. Of all the salad plants, Lettuce easily takes the lead, and no garden is worthy the name without its Lettuce-beds. It has few, if any, insect enemies and flourishes throughout the spring and



Big Boston Lettuce

Curled Silesia. Very early and tender.

White Paris Cos. A sort with long, narrow, upright leaves; does not head, but when tied up blanches very nicely; bears close planting. A splendid sort for summer use.

Wonderful (New York). A variety considerably larger than Iceberg and about ten days later. The outer leaves are a distinct dark green compared to Iceberg.

MUSTARD

White London. A variety with small, smooth, dark green leaves, which are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in spring.

	Pkt.	Oz.	1/2 lb.	Lb.
Big Boston	\$0	10	\$0 25	\$0 75 \$2 00
Iceberg	10	25	75	2 50
Hanson	10	25	75	2 00
Curled Silesia	10	25	75	2 00
White Paris Cos.	10	25	75	2 00
Wonderful	10	30	1 00	2 50
	10	30	1 00	3 00
	10	15	25	75

MUSKMELONS

Muskmelon seed should not be planted outdoors until all danger of frost is over and the ground has become warm and dry. The hills should be about 6 feet apart and carefully prepared. Rich earth is far better for the young plants than manure, but if the latter must be used, see that it is well rotted. Plant from six to twelve seeds in a hill, and when the young seedlings are strong enough to resist the attacks of insects, thin them, leaving three of the strongest in each hill. The vines should have clean cultivation until they cover the ground, and if they grow too rank, the tips of the shoots should be pinched off, causing them to set more and larger fruits.

An ounce of seed will plant about 80 hills

Lake Champlain. An early-maturing variety having few seeds and a very small seed cavity. Considered by market-gardeners as one of the most desirable kinds for critical markets. Nicely netted, medium-sized fruit with flesh of a beautiful golden yellow.

Emerald Gem. Early, with small, smooth-ribbed, dark green fruits; flesh thick and salmon-colored, granular, sweet and rich; very delicious and satisfying to the taste; the vines bear heavily.

Miller's Cream or Osage. Fine, attractive fruits which sell quickly in market, and therefore a favorite among the truckers. The fruits are large and round, with light green, netted skin; thick, sweet, salmon-colored flesh.

Honey Dew. The Honey Dew averages 9 inches long and 7 inches wide. Greenish white until dead ripe, then pale yellow; of excellent flavor. Our season is hardly long enough to mature it unless started under glass.

Bender's Surprise. Large, oval shaped, coarsely netted fruit. Flesh of a deep orange color and very thick. A good keeper and shipper.

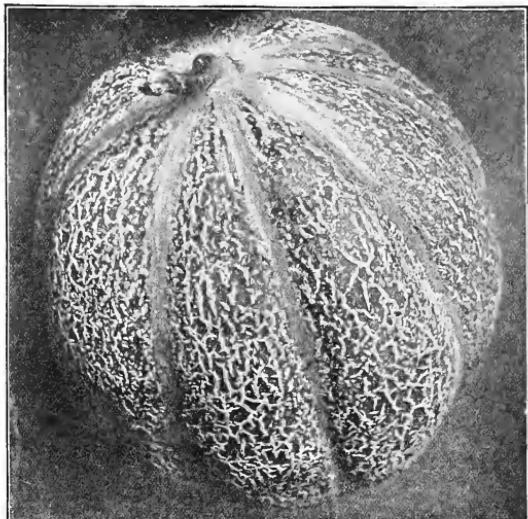
OKRA

The tender, young pods are used for seasoning soups and stews. Sow the seed thickly in rich soil, about the middle of May, in drills 3 feet apart, and cover the seeds an inch deep. Thin the young plants to stand 10 inches apart, hoe them often and earth up the stems a little in cultivation, for support.

An ounce of seed will plant 100 hills

Improved Dwarf. Grows about 14 inches high; produces twice as many pods as taller sorts. Pods smooth, tender, well-flavored.

White Velvet. Pods pure white, round and smooth, with no square edges or disagreeable prickles; also larger than in most sorts.



Emerald Gem Muskmelon

PRICES OF MUSKMELONS

	Plts.	Oz.	1/lb.	Lbs.
Extra-Early Hackensack	\$0	10	\$0	\$1 25
Lake Champlain	10	35	1 00	3 50
Emerald Gem	10	15	50	1 50
Miller's Cream or Osage	10	15	50	1 50
Honey Dew	10	30	1 00	3 00
Bender's Surprise	10	20	60	2 00
Arlington Nutmeg	10	15	40	1 25
Long Island Beauty	10	15	40	1 25
Rocky Ford	10	15	40	1 25

PRICES OF OKRA

Improved Dwarf	10	15	25	75
White Velvet	10	15	25	75

PRICES OF PURE-SPORE CULTURE MUSHROOM SPAWN

Carton	\$1 00
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PURE-SPORE CULTURE MUSHROOM SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of Mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses, and sheds can be used for their culture. We are now offering our customers Spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve pounds, so that every mould, weed seed, or insect is destroyed, and each bottle contains nothing but the pure Spawn. Every particle is full run, covered with Spawn grown direct from the spores. One carton of the Spawn equals five bricks of ordinary Spawn and is sufficient to spawn about 40 square feet. The sterile Spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the Spawn should be used, but full particulars about growing Mushrooms. Anyone can order Spawn and with it get the necessary knowledge to make growing entirely successful.



Mushroom Spawn



Sweetheart Watermelon

PARSLEY

The leaves of most sorts of Parsley are beautifully curled, and useful for garnishing as well as flavoring.

An ounce of seed will sow about 150 feet of drill

Champion Moss Curled. Leaves bright green, finely cut, and beautifully curled.

Plain Leaf. Leaves are longer and darker green than the curled varieties; very hardy.

ONION SEED

Good Onion Seed is the Foundation for a Good Crop

The Onion has been cultivated as an article of food from the earliest times, and is now perhaps more universally grown than any other vegetable. A good crop is impossible unless the soil is very rich and kept clean. Use well-rotted manure freely, and get the crop in as soon as possible in the spring, no matter if the weather is cold and unpleasant. Sow in drills 1 foot apart and cover about one-third of an inch, treading or rolling after sowing, so that the hot, dry atmosphere may not dry up and destroy the sprouting seed. When 3 inches high, thin to 2 inches apart. Stir the ground freely without disturbing the young plants and keep free from weeds.

One ounce to 100 feet of drill; 4 to 5 pounds per acre

Yellow Globe Danvers. Buxton type, selected, home-grown stock. Early; globe-shaped, with very small neck; large; good keeper. The best for general crop.

Red Wethersfield. One of the most productive and long-keeping. Bulbs deep purplish red, large, flat, strong-flavored, and grow to a large size the first year from seed.

Southport Red Globe. This is a favorite with all who grow Red Onions. It grows to fair size, with very small neck, and bright red in color. We offer a fine stock.

Southport Yellow Globe. This variety is of the same general character and quality as the Southport Red Globe, but the color is a rich yellow.

Southport White Globe. A large, showy, globular white Onion, which sells quickly in market. The bulbs grow quite rapidly and, if the seed is sown early, good-sized roots, suitable for pulling and marketing in a green state, are soon formed. They are mild-flavored, keep well, and the yield is good.

White Portugal, or Silverskin. Largely grown for white Onion sets. Bulbs large, fine in appearance, with silvery white skin and sweet, tender white flesh. They do not keep well, but are mild-flavored and excellent for family use and for pickling.

Spanish King, or Prizetaker. Bulbs very large, round, and handsome; rich yellow skin; mild, sweet, pure white flesh; quite free from stiff necks. Bottom well and yield enormously. A very desirable sort.

ONION SETS

These are small Onions grown the previous year, ripened off, and taken up when mere bulblets. They produce a very early and profitable crop, and grow in any good soil. Set them in rows 1 foot apart and 3 inches apart in the rows.

Red, White, Yellow, and Ebenezer Sets, for spring planting.
Top Onion Sets for fall. Market price; price variable.

WATERMELONS

An effort should be made to secure good, strong vines early in the season, and this can be done by taking care that the hills are large, mellow, and well-drained, with the manure placed so that they will not dry out quickly under hot suns. All possible protection from insects should be given the young plants, and their growth may be hastened still further by frequent applications of liquid manure. As a protection from insects, netting is frequently used, and also dry ashes or coal-dust sprinkled over the leaves when wet. Plant the seeds thickly and thin the plants to four of the strongest in each hill.

An ounce of seed will plant about 60 hills

Cole's Early. A fine early Watermelon; can be grown over a large latitude; flesh bright red; fruit nearly round; rind thin.

Sweetheart. Large and nearly globular; skin bright, mottled green; flesh bright red, firm and heavy, crisp, melting, and exceedingly sweet. A good shipper and keeper.

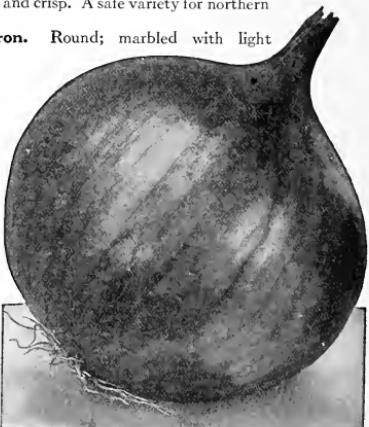
Ice Cream. An early-season, delicious home market melon. It has too thin a rind for shipping. Few, if any, melons surpass this for quality and productiveness. Flesh bright scarlet, solid to center, melting and delicious.

Kleckley Sweets. This sweetest of all melons has now become exceedingly popular. Luscious flavor; fine-grained, tender meat; large.

Cuban Queen. Round; large; flesh bright red, very crisp, delicate, and sweet. An early and reliable sort.

Mountain Sweet. Form rather long; color dark green; seeds dark; very solid, sweet, and crisp. A safe variety for northern growing.

Red-seeded Citron. Round; marbled with light green; the flesh is white and solid; seeds red.



Southport Yellow Globe Onion

PRICES OF WATERMELONS

	Pkts.	Oz.	1/4 lb.	Lbs.
Cole's Early,	\$0	10	\$0	15
Sweetheart,	10	15	40	1 00
Ice Cream,	10	15	40	1 00
Kleckley Sweets,	10	15	40	1 00
Cuban Queen,	10	15	40	1 00
Mountain Sweet,	10	15	40	1 00
Red-seeded Citron,	10	15	40	1 00

PRICES OF ONION SEED

Yel. Globe Danvers,	10	30	1 00	3 50
Red Wethersfield,	10	30	1 00	3 50
Southport Red Globe,	10	30	1 00	3 50
Southport Yel. Globe,	10	30	1 00	3 50
Southport White Globe,	10	40	1 25	4 00
White Portugal,	10	40	1 25	4 00
Spanish King,	10	30	1 00	3 50

PRICES OF PARSLEY

Champion Moss Curled,	10	20	50	1 50
Plain Leaf,	10	20	50	1 50

GARDEN PEAS

All smooth-seeded Peas may be planted as early in spring as the soil can be prepared for them. They are very hardy and will endure a low temperature, both before and after sprouting. By sowing for the first crop as early as is practicable, and for succession at intervals of about two weeks until the first of June, a good supply of this delicious vegetable may be enjoyed through the greater part of the summer. Late sowings, however, do not yield so well as early ones, because the hot and dry weather is unfavorable to the development of the plants. The seeds should be sown in drills about 3 inches deep and from 3 to 4 feet apart, according to the variety, taller sorts requiring more room than the dwarf ones. Dwarf Peas require a very rich soil, while tall ones thrive best in rather thin ground, which does not stimulate too luxuriant growth in the vines, to the detriment of the pods. The latter are frequently sown in double rows, with brush or support of some kind between them. Wrinkled Peas are not so hardy as the smooth sorts, and should not be sown so early, but are superior to them.

One quart of seed will plant about 125 feet of drill

If to be sent by mail add postage at the rate given in table on 2d page of cover

EXTRA-EARLY PEAS

Medium and Dwarf Sorts

A star (*) indicates a wrinkled variety

The W. E. B. Co.'s Maud S. A favorite with the market-gardeners on account of its earliness, extreme productiveness, vigor, and vitality, often resisting a drought and maturing a crop when ordinary sorts of earlies have failed. 2 feet.

Alaska. One of the earliest in cultivation; about 75 per cent of the pods can be gathered at the first picking. Vines are very thrifty, growing about 2 feet high; pods small, but well filled with plump, excellent dark green Peas.

***Pioneer.** Introduced by a noted English grower. The plant is unusually robust in habit, carries a heavy crop of long, pointed pods of a dark green color. So numerous are the pods that the plants present a most striking appearance. One gardener stated that he planted April 1 and the first pods were harvested June 16, beating Gradus by a fortnight. Height about 2 feet.

***Little Marvel.** This is a Pea of extra value. It grows about 15 inches high with pods very dark green, well filled with five to seven Peas of excellent flavor; very productive; quite early. We recommend it for either the family garden or for market.

Hundredfold. This is, without doubt, the very best dwarf Pea ever grown. We have found none so near perfection as Hundredfold. It is the best-flavored and the largest-podded dwarf-growing sort in existence, ready about three days after the earliest, and bears an enormous crop of handsome, intensely dark green, fairly broad and pointed pods, 4 inches long, containing about eight large, dark green Peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well.

***Laxtonian.** One of the best dwarf, wrinkled Peas for the market-gardener. Pods about 4 inches long, resembling those of Gradus, but a little earlier. Vines productive and vigorous; average height under 1 1/2 feet.

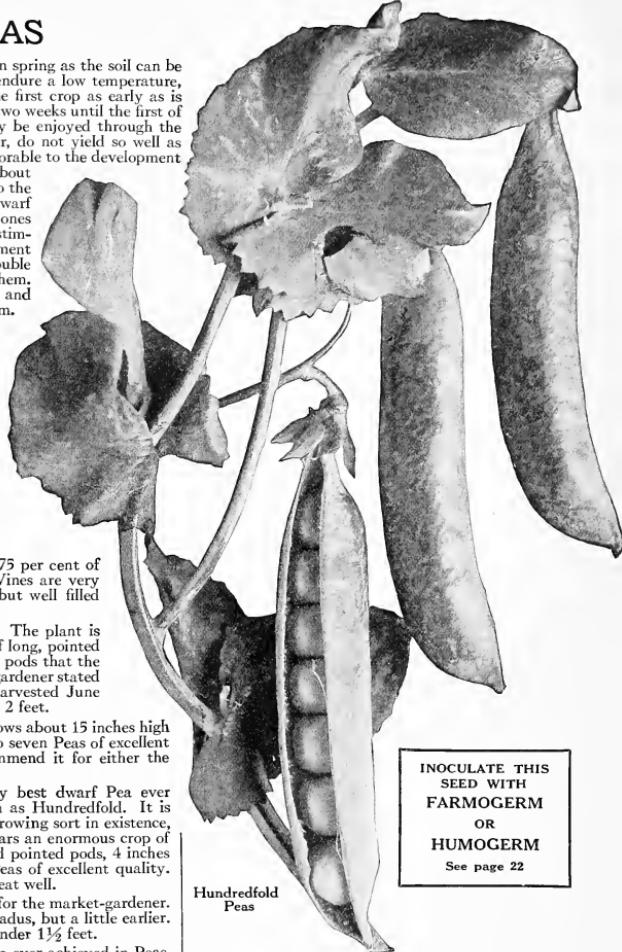
***Gradus.** This is undoubtedly the greatest advance ever achieved in Peas, for it is as early as the first-earlies, with pods as large as the Duke of Albany and the same shape and color, each pod containing nine or ten wrinkled Peas of the typical fine marrow flavor, cooking very tender. Altogether, Gradus is the most distinct and largest-podded early Pea ever raised.

See next page for additional Extra-Early and Intermediate and Late Peas

VEGETABLE PLANTS

During the planting season, we have on sale from our own growers the following plants:

	Flat Doz. (about 100)		Flat Doz. (about 100)		
Cabbage.....	\$0 20	\$1 25	Lettuce.....	\$0 20	\$1 25
Cauliflower.....	35	2 00	Pepper.....	25	1 50
Celery.....	25	1 25	Tomato.....	25	1 50
Eggplant.....	50	3 00			



Hundredfold
Peas

INOCULATE THIS
SEED WITH
FARMOGERM
OR
HUMOGERM
See page 22

EXTRA-EARLY PEAS	1/2pt.	Pt.	Qt.	1/2pk.
W. E. B. Co.'s Maud S. .	\$0 20	\$0 30	\$0 50	\$1 50
Alaska.....	20	30	50	1 50
Pioneer.....	25	45	75	2 50
Little Marvel.....	20	35	60	2 00
Hundredfold.....	25	45	75	2 50
Laxtonian.....	25	45	75	2 50
Laxtonian's Progress.....	25	45	75	2 50
Gradus.....	25	40	75	2 50
Nott's Excelsior.....	20	35	60	2 00
Sutton's Excelsior.....	25	40	75	2 50

INTERMEDIATE AND LATE				
Telephone.....	25	40	75	2 25
Potlatch or Imp. Strat. .	25	40	75	2 50
Champion of England.....	20	35	60	2 00
Mammoth Melting Sugar.....	30	50	85	3 00

EXTRA-EARLY PEAS, continued

Nott's Excelsior. Robust and vigorous in growth; throws out laterals from the base of the stock, producing in profusion long, handsome pods, closely packed with large Peas of fine flavor; more vigorous and prolific, with larger pods and more Peas than either American Wonder or Premium Gem. Seed green and wrinkled. 1 foot.

Sutton's Excelsior. This is today probably the most popular dwarf wrinkled sort in America. In this variety we have an early dwarf wrinkled Pea in the front rank for earliness, with much larger and handsomer pods than any dwarf early wrinkled Pea yet introduced. The Peas are very tender and of superlative flavor. Height 15 inches.

INTERMEDIATE AND LATE PEAS

Telephone. Pods and Peas are very large and showy, the latter being sweet and rich; popular. Vines 3½ feet high.

Potlatch or Improved Stratagem. A large-podded wrinkled Pea of fine quality. Vigorous and productive vines about 2½ feet high.

Mammoth Melting Sugar. Best edible-podded Peas.

Canada Field. Used for fodder. Sown with oats. Market price.

For prices of above varieties see page 13

PARSNIPS

Aside from its value as a table vegetable, the Parsnip also furnishes a healthful and nourishing food for stock, and is especially valued for this purpose by dairymen. Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants until they are 5 to 6 inches apart in the rows. The roots are improved by frost, and only enough for winter use need be taken up in the fall, leaving the rest in the ground until spring, to be dug up as required. By running a plow, such as is used for breaking sod, along one side of the rows, field crops of Parsnips will be thrown out so that they can be harvested easily. Deep, rich, heavy soil is best suited, but on any deep, rich, mellow soil the yield is good per acre, and the roots will be smooth and large if no fresh manure is used.

An ounce will sow 150 feet of drill; 5 pounds will sow an acre

Champion Hollow Crown. The variety most widely grown; tender, sweet; very productive.



Champion Hollow Crown Parsnips

PRICE OF PARSNIPS

	Pkt.	Oz.	1/4lb.	Lb.
Champion Hollow Crown	\$0 10	\$0 15	\$0 35	\$1 00
PRICES OF PEPPERS				
Champion Pepper	1/2oz.	Oz.	1/4lb.	
California Wonder	\$0 50	\$1 25	\$2 00	\$7 50
Worldbeater	10	35	60	2 00
Perfection Pimiento	10	35	60	2 00
Chinese Giant	10	35	60	2 25
Large Bell (Hot)	10	35	60	2 00
Ruby King	10	35	60	2 00
Squash	10	35	60	2 25
Italian, Sweet	10	35	60	2 00
Red Chili	10	35	60	
Red Cherry	10	35	60	
Long Cayenne	10	35	60	

PEPPERS

Sow in hotbed as early as April, transplant to rich, warm, mellow soil as soon as the weather has become warm and settled, setting them about 2 feet apart in drills 3 feet apart. Seed may be sown later, in the open ground when all danger from frost is over, and thinned to the distance given above.

An ounce of seed will produce 2,000 plants

California Wonder. Nearly as large as, but earlier than Chinese Giant; shape blocky and square ended. It may be set upright and is ideal to stuff and bake, or to serve whole for salad. Heavier and firmer than other sorts, walls exceptionally thick; flavor sweet and spicy with no bite to it. Supply limited.

Worldbeater. The color is deep green when fruit is young, deep crimson when matured. The flavor is mild.

Chinese Giant. Very large; uniform; early; very mild.

Large Bell or Bull Nose. Large, thick pods.

Ruby King. Bright red pods, about 5 inches long and 3 to 4 inches thick; mild and pleasant flavor.

Squash. Medium size; thick skin; very productive.

Italian, Sweet. Exceedingly mild flavor; in great demand in this vicinity. Grows 6 or 7 inches in length, diameter about 2 to 3 inches at the base.

Red Chili. Used for making Pepper-sauce. Pods small, conical, scarlet, pungent; plants very fruitful.

Red Cherry. Small, round, bright red.



Worldbeater Pepper

PUMPKINS

The Pumpkin is now little used except for agricultural purposes, the squashes being so much sweeter and drier and finer grained for the kitchen. The farmer, however, finds the Pumpkin a serviceable addition to his feed. The most common method of cultivation is to plant them with corn, two or three seeds to each hill.

Sugar. Round, not large, but very sweet, and an excellent table variety.

Mammoth. Immense size, often weighing over 100 pounds.

Connecticut Field. Very productive; large grown for feeding stock.

Winter Luxury. Fine pie pumpkin, round, color russet-yellow, flesh thick, fine flavor.

RADISH

Sow in the open ground as soon as it can be worked, at intervals of ten days for a succession as long as wanted. Sow in hotbed or greenhouse in winter. The winter varieties should be sown in August and lifted before severe frost. As their tender and mild qualities depend on rapid growth, the soil should be rich, light and mellow.

An ounce of seed will sow 100 feet of drill, 10 pounds to an acre

Cooper's Sparkler. Quite distinct; fulfills every requirement; the color is a rich carmine-scarlet, with a very pronounced tip of the purest white. The roots, even when fully developed, are solid, crisp, sweet, and remain fit for use as long as the coarser kinds. It is equally well adapted for forcing in frames or growing in the open ground, for while the leaves are small, they are sufficiently large for bunching.

Vick's Early Scarlet Globe. For forcing in the greenhouse, hotbed, or cold-frame, and for sowing in open borders early in the spring, there is no other red variety so desirable. It is the earliest, its color is the handsomest, in flavor it is the mildest, most crisp, juicy, and tender. It forms a small top, and will stand a great amount of heat. It is the market-gardeners' favorite forcing Radish. It will sell "three to one" compared with any round red sort.

French Breakfast. Olive-shaped; red above and white below; medium size; small top and of quick growth; crisp, sweet, and tender.



Icicle Radishes

An ounce of seed will sow 100 feet of drill

Mammoth Sandwich Island. A great improvement on the French sort generally cultivated. The roots are twice as large, smooth, tender, and well-flavored, resembling fair-sized parsnips.



Vick's Early Scarlet Globe Radishes

Icicle. A handsome first-class early variety, in color snowy white. It grows to the average length of the long varieties, but holds its fullness well down to the tap-root. Exceedingly attractive and excellent in every way.

Early Deep Scarlet Turnip. Skin deep scarlet; flesh sweet, tender, mild, and crisp; quick-growing, early variety; tops small.

Long Brightest Scarlet. Vivid scarlet, tipped with snow-white; rapid grower; quality fine.

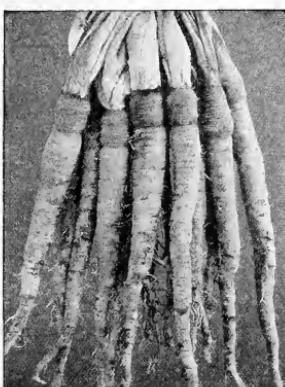
Long Black Spanish. Roots black; flesh white and slightly pungent. One of the hardest and latest.

Round Black Spanish. A popular round winter variety with black skin and mild sweet flesh. A good keeper.

White Giant Stuttgart. Very early; grows to a large size; fine quality; firm and brittle.

SALSIFY

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. Culture same as for parsnips and carrots. Roots are perfectly hardy, and may be left in the ground all winter, but should be dug early in spring, as the quality deteriorates rapidly with the second growth. A quantity of roots for winter use may be stored in a pit or in sand or damp earth in a cellar.



Salsify

	Pkt.	Oz.	1/4 lb.	Lb.		Pkt.	Oz.	1/4 lb.	Lb.
Sugar.....	\$0 10	\$0 15	\$0 30	\$1 00	Connecticut Field.....	\$0 10	\$0 15	\$0 25	\$0 75
Mammoth.....	10	25	75	2 50	Winter Luxury.....	10	20	60	2 00
RADISHES									
Cooper's Sparkler.....	10	15	50	1 25	Ea. Deep Scarlet Turnip.....	10	15	50	1 25
Vick's Ea. Scarlet Globe.....	10	15	50	1 25	Long Brightest Scarlet.....	10	15	50	1 25
French Breakfast.....	10	15	50	1 25	Round Black Span.....	10	15	50	1 25
Icicle.....	10	15	50	1 25	White Gt. Stuttgart.....	10	15	50	1 25
Long Black Span.....	10	15	50	1 25		10	30	1 00	3 00
SALSIFY, Mammoth Sandwich Island.....									

SQUASHES

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated, and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.

An ounce will plant from 20 to 40 hills

Warted Hubbard. Very hard, warty shells of large size. This strain is especially popular with market-men.

Des Moines or Table Queen.

A Novelty. The vines are vigorous; squashes small, acorn shaped; color dark green, almost black; size about 6 inches long and 4 inches in diameter; prolific. Quality excellent.

The Warren. Resembles Turban in shape but the shell is rough, warty, thicker and harder, color richer, and a better keeper.

Boston Marrow. An improved strain of Boston Marrow. Fruits deeper orange, more rounded, thicker, smaller seed cavity and better flesh. A productive, good keeper.

Blue Hubbard. Hard shell; thick, dry meat of fine quality; favorite winter sort for Boston market.

Golden Hubbard. This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of a rich orange-red color, instead of the dark olive-green of the old Hubbard.

Delicious. No Squash compares with it for table use. Remarkably fine and compact grain, dry, sweet, and exceedingly rich in flavor; color almost uniformly a green shade.

Cocozelle. This Italian Squash grows about 15 inches long and has smooth, dark green skin; fine flavored.

Mammoth Chili. Large, nutritious, orange-colored fruits; keep well all winter. For stock-feeding.

Giant Summer Crookneck. The largest of the early Crooknecks, and as early as any; flesh tender and good, cooking quickly.

Golden Summer Crookneck. Early and productive; fruits yellow, covered with water excrencences, as in all this race; flesh fine-grained and rich. All the Summer Crooknecks are noted for their great size and fine quality.

Winter Crookneck. A favorite late-keeping winter Squash, with yellow skin and sweet, fine-grained flesh.

White Bush Scalloped. The earliest; skin cream-colored; flesh sweet and rich; very productive.



Blue Hubbard Squash

SPINACH

One of the most important crops grown for greens, and may be had in good condition from very early in spring until cold weather. For early use, sow very early in spring, and for succession at intervals. The main crop, for spring and winter use, should be sown in September and the plants covered for winter.

An ounce of seed will sow 50 feet of drill; 20 pounds to an acre

King of Denmark. A new variety which stands a long while without running to seed; large yielder and of excellent quality.

Bloomsdale Savoy. Hardy; well adapted for winter crops. Leaves large and wrinkled, like a Savoy cabbage.

Giant Thick-leaved. A large, upright-growing, early variety with very thick, large, slightly crumpled leaves of medium green color. Fine for fall and spring sowing. A rapid grower.

New Zealand. Supplies the place of ordinary Spinach during hot weather.

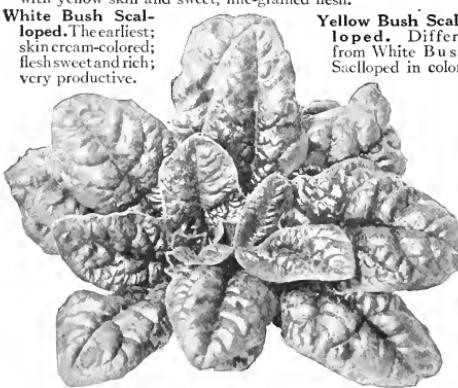
RHUBARB

This plant is mostly propagated by division of the roots. The best time to set out the plants is early in the spring, although it is sometimes done in autumn. Make furrows of good depth, 3 to 4 feet apart, according to the variety planted; across these furrows, at right angles, make others the same distance apart; at each intersection put three or four shovelfuls of good manure, and upon this set the plants.

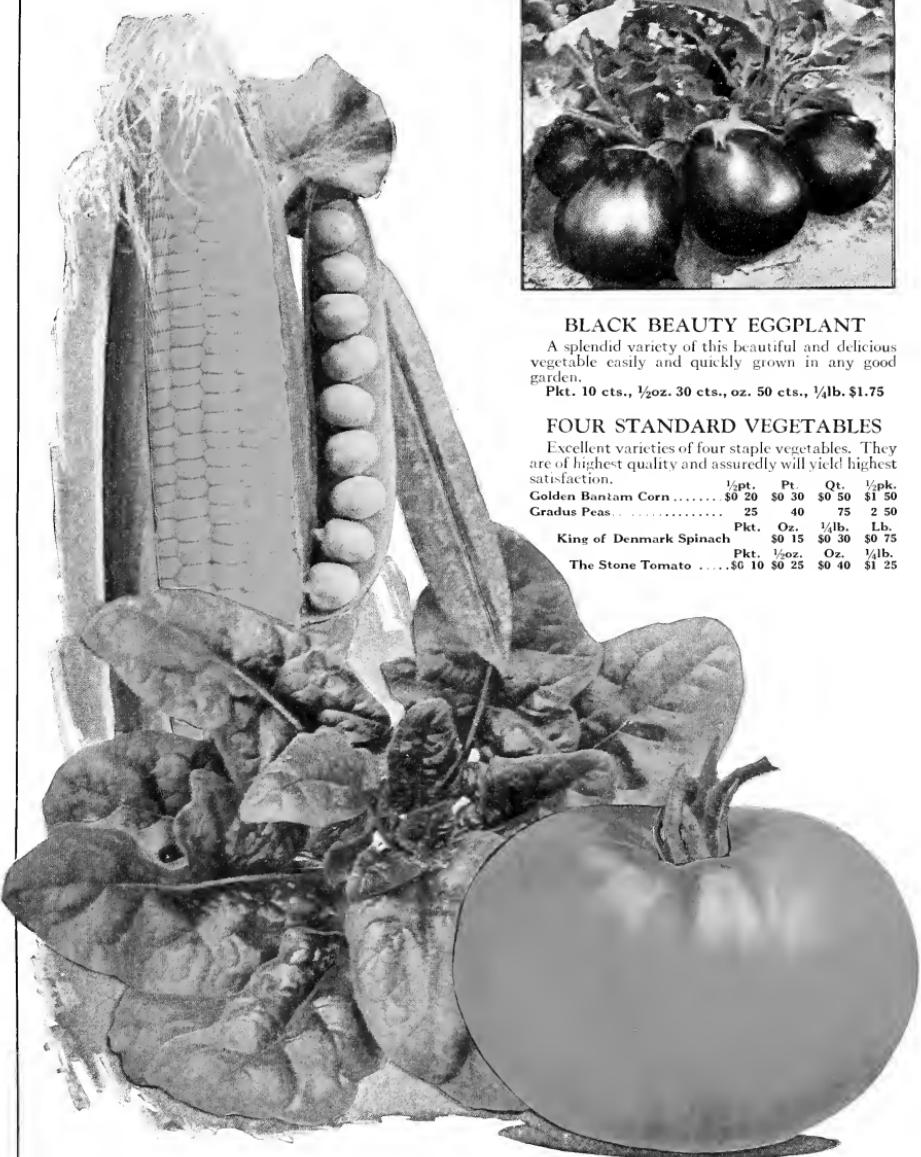
Linnaeus. The earliest and best for garden use; not so coarse and fibrous as the larger sorts.

Victoria. In general use for the market; immense crops.

	Fkt.	Oz.	1/4 lb.	1 lb.	Lb.	
Warted Hubbard.....	\$0	10	\$0	20	\$1 50	
Des Moines.....	10	25	75	2 50		
The Warren.....	10	25	75	2 50		
Boston Marrow.....	10	20	60	1 50		
Blue Hubbard.....	10	25	75	2 50		
Golden Hubbard.....	10	20	60	2 00		
Delicious.....	10	25	75	2 00		
Cocozelle.....	10	25	75	2 00		
Mammoth Chili.....	10	20	60	1 50		
Giant Summer Crookneck.....	10	20	60	2 00		
Golden Summer Crookneck.....	10	15	50	1 50		
Winter Crookneck.....	10	15	50	1 50		
White Bush Scalloped.....	10	15	50	1 50		
Yellow Bush Scalloped.....	10	15	50	1 50		
Vegetable Marrow.....	10	25	75	2 00		
PRICES OF SPINACH	Fkt.	Oz.	1/4 lb.	1 lb.	Lb.	
King of Denmark.....				15	30	75
Bloomsdale Savoy.....				15	30	75
Giant Thick-leaved.....				15	30	75
New Zealand.....	10	20	50	1 50		
PRICES OF RHUBARB	Fkt.	Oz.	1/4 lb.	1 lb.	Lb.	
Linnaeus.....	10	50	1 00	3 00		
Victoria.....	10	50	1 00	3 00		
Roots in Season Ea., 10c. doz. \$1..						



Giant Thick-leaved Spinach



BLACK BEAUTY EGGPLANT

A splendid variety of this beautiful and delicious vegetable easily and quickly grown in any good garden.

Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75

FOUR STANDARD VEGETABLES

Excellent varieties of four staple vegetables. They are of highest quality and assuredly will yield highest satisfaction.

	$\frac{1}{2}$ pt.	Pt.	Qt.	$\frac{1}{4}$ pk.
Golden Bantam Corn	\$0 20	\$0 30	\$0 50	\$1 50
Gradus Peas	25	40	75	2 50
King of Denmark Spinach	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
King of Denmark Spinach		\$0 15	\$0 30	\$0 75
The Stone Tomato	Pkt.	$\frac{1}{2}$ oz.	Oz.	$\frac{1}{4}$ lb.
The Stone Tomato	\$0 10	\$0 25	\$0 40	\$1 25



CAPITOL AND SHADY SPOT LAWN SEED

Two splendid mixtures of grass seed for different purposes. Our grass seed has been approved by a generation of competent gardeners and home owners. See pages 19 and 20 for more details.

Qty. 40 cts., 4 qts. \$1.25, pk. \$2, bus. \$7.50

TALL DOUBLE GERMAN ROCKET LARKSPUR

Lovely rocket-like flowers of beautiful shades, unequalled for cutting.

Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

HEART OF FRANCE ASTER

A glorious red Aster, of great brilliancy and sturdiness of habit. Very showy and desirable for cutting.

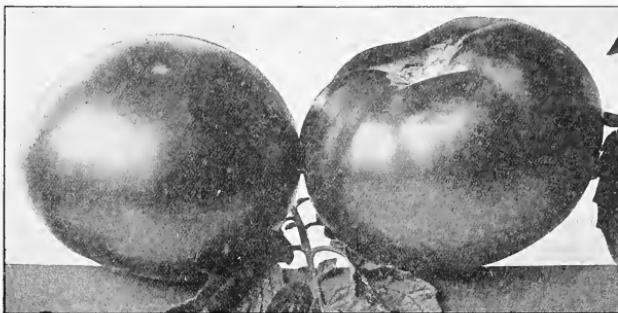
Pkt. 25 cts., 5 pkts. \$1; $\frac{1}{8}$ oz. 40 cts.



TOMATOES

For early use, sow in February or March in hotbed or in boxes and pots set in the warm window, and hasten the germination and growth of the plants by good care and frequent watering. When the seedlings are about 3 inches high, transplant them to pots or in rows 4 to 5 inches apart, keeping the temperature at about 60 degrees. Subsequent transplantings will make them branching and stocky, but do not set them in the open ground until all danger from frost is past, then plant them in a warm, sunny place, and water them freely until they are well established. Some support will keep the fruit above the ground and free from dirt should be given the plants.

An ounce of seed will produce about 2,000 plants



John Baer Tomatoes

Marglobe. Marglobe is a remarkable pure scarlet, globe-shaped variety of extra-large size and early maturity. It is resistant to nail-head rust and fusarium wilt. Attractive, solid, and tasty.

Earliana. This is considered the earliest red Tomato grown. Fair size; good shape; good quality.

John Baer. A remarkable new variety. Only a few days later than Earliana, it yields a much heavier crop of larger, more uniform, and more attractive fruits, generally returning the biggest profits of any extra-early variety.

New Dwarf Stone. This splendid new variety is put out by Livingston. Valuable as a general-crop Tomato.

Stirling Castle. An excellent sort for forcing under glass, as well as for outdoor culture. Fruit bright, glossy red, smooth, of fine flavor, and very early.

Dwarf Champion. Fine for early market. It is quite distinct in foliage and habit of growth, the plants being compact, stocky and upright, requiring no support. The fruit is always smooth and handsome, ripening close to the core and never cracking; in shape and color it resembles Acme.

Ponderosa. The favorite large-fruited variety. Vines are of strong growth. When planted in rich soil, and pruned to single stem, the fruit often reaches one pound in weight.

The Stone. This variety is grown very extensively by market-gardeners for main crop. The very large, perfectly smooth fruits are bright scarlet, solid, meaty, with few seeds, and ship and keep well. One of the best sorts of recent introduction.

Chalk's Early Jewel. An extremely early variety of brightest scarlet color, deep-fruited, very solid, with few seeds, and of excellent flavor. Popular for both table and exhibition purposes.

Acme. This has, for years, been considered a standard variety. Fruit crimson, large, smooth, solid, never cracking, and holding its size well. A good long-distance shipper.

Early June Pink. Similar in habit to Earliana and about the best of the early purplish pink sorts. Fruits hang in clusters of six to eight.

PRICES OF TOMATOES

	Pkt.	1/2oz.	Oz.	1/4lb.	
Marglobe	\$0 10	\$0 50	\$0 85	\$3 00	
Earliana	10	25	40	1 25	
John Baer	10	30	50	1 50	
New Dwarf Stone	10	25	40	1 25	
Stirling Castle	10	40	75	2 50	
Dwarf Champion	10	25	40	1 25	
Ponderosa	10	30	50	1 50	
The Stone	10	25	40	1 25	
Chalk's Early Jewel	10	25	40	1 25	
Acme	10	25	40	1 25	
Early June Pink	10	25	40	1 25	
Yellow Plum	10	30	50	1 50	
Grape	10	30	50	1 50	
Strawberry	10	30	50	1 50	

PRICES OF TURNIPS

	Pkt.	10	\$0 20	\$0 40	\$1 25
Twentieth Century Pkt.					
Rock	10	15	40	1 25	
Ea. White Milan	10	15	40	1 25	
Purple-Top Strap-Leaf	10	15	30	75	
Early Red-topped Globe	10	15	50	1 25	
Early White Egg	10	15	50	1 00	
Golden Ball	10	15	40	1 00	
Macomber	10	20	50	1 25	
Budlong White Rock	10	20	40	1 25	
Sweet German	10	15	40	1 00	

PRICE OF RUTABAGA

Improved American	10	15	40	1 00
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TOMATOES, continued

Yellow Plum. Fruits are yellow, oval, and very smooth. Used for preserves.

Strawberry (Winter, or Ground Cherry). The small fruits, enclosed in a husk, have a flavor like strawberries, and may be preserved like plums. The vines are always heavily loaded with fine fruits.

TURNIPS

For early crop, sow as soon as the ground can be prepared, in drills 15 inches apart, and thin the plants to stand 6 inches apart. Sow, for succession, at intervals of two weeks until the last week in July, and from that time onward until the last of August, sow for main crop. The sowings should always be made just before a rain, if possible, as the success of the crop depends in a great measure upon quick germination and rapid growth in the young plants.

An ounce of seed will sow 150 feet of drill; 1 pound will sow an acre

Twentieth Century Rock. This is now recognized as the standard white winter Turnip.

Early White Milan. Very early; pure white; of fine quality.

Purple-Top Strap-Leaf. Grown largely for fall and winter crops.

Early Red-topped Globe. A large, handsome, globe-shaped Turnip; excellent for the table and extensively grown and potted for fall and winter use. Remarkable for its heavy yield per acre.

Early White Egg. Pure white; egg-shaped; grows rapidly and is fine-grained, sweet, delicate-flavored, and solid.

Golden Ball. Most delicate yellow-fleshed Turnip we know of. Medium size, firm, hard, and of superior flavor. An excellent table variety.

Macomber. Resembles White Rock, but much earlier. A favorite in some sections.

Budlong White Rock. Obtained by years of selection and grows much smoother than White Rock.

Sweet German. A very popular variety in some sections of the country where it is highly esteemed for its excellent keeping qualities. Large; white; fine quality.

RUTABAGA

Improved American. Large, firm, yellow roots which keep well, and are of good flavor. Hardy, a heavy cropper, and excellent for either table or stock.



Dill

Thyme

Horehound

Anise

Lavender

Sweet Marjoram

Fennel

SWEET AND MEDICINAL HERBS

Anise (Anis). Used for garnishing and flavoring. The seeds have an agreeable and aromatic flavor, and are used in medicine.

Balm (Mélisse). Leaves possess a fragrance similar to lemons. Made into Balm tea for fever, and into a beverage called "Balm wine."

Basil, Sweet (Basilienkraut). For stews, soups, and sauces.

Borage. Excellent for bees. Flowers used to flavor cool drinks.

Caraway (Kümmel). The seeds are used in cakes, confectionery, etc.

Catnip. Used for bee food and seasoning.

Coriander (Koriander). Grown for its seeds, which are used in confectionery.

Dill (Dill). Used for pickling. Has an aromatic odor and a warm, pungent taste.

Horehound. Valuable for medicines.

Lavender (Wohlriechendespice). Used for perfume.

Marjoram, Sweet. Used for seasoning.

Rosemary. An aromatic, ornamental herb.

Rue. Used for seasoning; also as a remedy for roup in poultry.

Saffron. The flowers are used in dyeing.

Sage (Salbei). Medicinal, but used principally for flavoring.

Savory, Summer. The dried stems, leaves, and flowers are used extensively for flavoring.

Thyme. The young leaves and tops are used for sauces, soups, and dressings. Also a good remedy for nervous headache when made into tea.

Any of above, 10 cts. per pkt.

SEEDS FOR THE FARM

FIELD BEETS

White French Sugar. Much grown in Europe for sugar-making; very sweet and keeps well; much relished by stock. The Beets are very large and the yield per acre is heavy, making it one of the most profitable sorts to grow.

Mangel-Wurzel, Norbiton Giant. A long red variety, preferred by many to common Long Red, as it is considered of better keeping quality; good for deep soils.

Mangel-Wurzel, Golden Tankard. A most important addition to our roots for feeding stock. Flesh a deep, rich yellow, very sweet and nutritious. In shape a little shorter than Norbiton Giant, but thicker. A very heavy cropper.

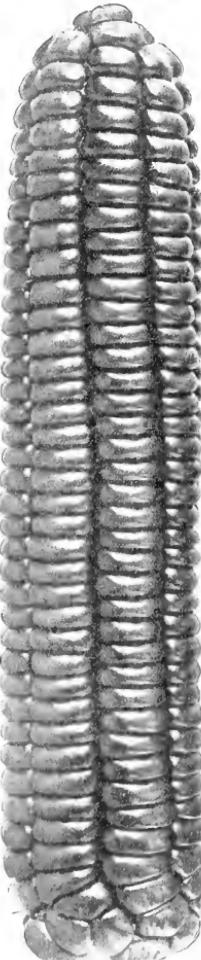
FIELD CORN (Flint)

Longfellow. The variety most widely grown in New England. An early 8-rowed Flint Corn with long ears and comparatively small cobs, filled to the tips with large, broad kernels.

W. E. B. Co.'s Golden Cap. Similar to our Rhode Island White Cap; ears a trifle larger; very small cob; has shown a yield of 100 bushels shelled Corn to the acre. We think this the finest yellow Flint Corn grown.

Rhode Island White Cap. A well-known early, prolific variety, from which is made the celebrated Rhode Island white meal. The yield is very heavy and the Corn is of the highest quality.

Early Sanford. Extensively used in various parts of New England, both for grain and as fodder and ensilage. It is of very luxuriant growth, very prolific with large stalk, plenty of leaves, and handsome ears a foot long. This is one of the most valuable varieties of Ensilage Corn on account of its early ripening and extreme productiveness.



Golden Cap

PRICES OF FIELD BEETS Oz. $\frac{1}{4}$ lb. Lb.
White French Sugar Beet. \$0 15 50 40 \$1 25

Mangel-Wurzel, Norbiton Gt. 10 25 60

Golden Tankard..... 10 25 60

PRICES OF FIELD CORN Qt. $\frac{1}{2}$ pk. Bus.
Longfellow..... \$0 25 \$0 75 \$4 00
W. E. B. Co.'s Golden Cap..... 25 85 5 00
Rhode Island White Cap..... 25 75 4 00
Early Sanford..... 25 75 4 00

LAWNS AND THEIR MANAGEMENT

To insure a really fine lawn, there are several requisites: A good depth of rich soil, properly drained, and free from boulders immediately below the surface; a liberal dressing of thoroughly decayed manure (10 to 12 cords per acre); nicety of grading in the levels and slopes; a firm, smooth surface upon which to sow the seed; and a sufficient quantity of the very best lawn grass seed, suited to the situation. The latter item is of prime importance. Boulders below the surface will, during the heat of summer, cause unsightly dry spots in an otherwise beautiful lawn; all such should be removed. A rich soil of good depth, and liberally fertilized, will maintain the fine greensward permanently, needing only an occasional top-dressing. Fresh, strawy manure should never be used in making a lawn; when decaying, it is liable to allow uneven settling of the soil. Make a smooth surface with harrow and rake, and use a roller to make it firm and even, before sowing the seed. After sowing, cover the seed well by raking it in, and again use the roller to finish the work.

Weeds. Plantains must be dug out just below the ground. Dandelions will grow again if cut less than 3 inches below the surface. Low-growing, spreading weeds must be torn up with a sharp rake.

Crab Grass is hard to destroy. It is an annual plant, starting to grow in June and seeding in September. The only way to get rid of it is by keeping it from seeding. This may be done by dragging up all the flower-bearing stalks with a sharp rake. Then cut closely with a low-set mower, raking up and burning all the cuttings. Where the crab grass is very thick, more severe measures may be needed. Let the lawn grow long during early or mid-August, long enough to cut

with a sickle or scythe. This gets rid of most of the flower-spikes before seeding, and it is then too late for others to form.

Fertilizing. Remember that grass roots, just as other roots, absorb food only in liquid form. Solid manures must decay and the contents become mixed with the soil-water before they are available for plant-food. Bone-meal is preferable for use in the soil, and sheep manure for top-dressing.

Watering is the life of a lawn. A thorough soaking once in a while is best. Water that does not go down deep tends to shallow rooting—a bad thing in hot weather.



THE "CAPITOL" LAWN SEED

Will produce, in a short time, a fine, velvety growth, and, with proper care, a firm durable sward, which will last indefinitely.

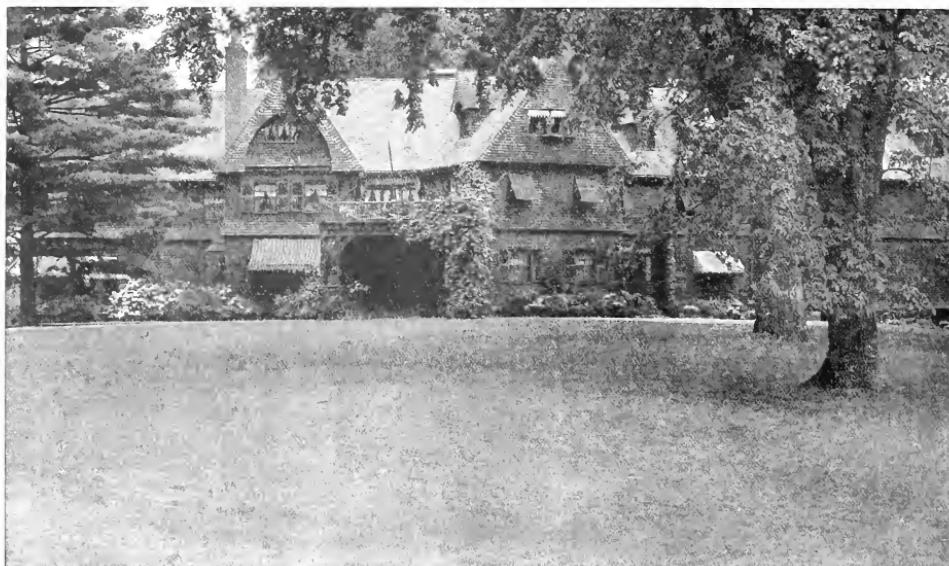
This is the very finest mixture for a lawn that can be made, and we can recommend it for use anywhere a fine lawn is wanted. It is the result of many years' experience, and when we state that our actual sales the past season were 2,500 bushels, it indicates that it must be better than ordinary Lawn Seed.

For lawn-tennis courts, croquet-grounds, etc., the "Capitol" mixture gives a fine, smooth, velvety sward a few weeks after sowing. Weight about 20 pounds to the bushel. Sow 3 bushels to the acre. Qt. 40 cts., 2 qts. 75 cts., 4 qts. \$1.25, 8 qts. \$2, bus. \$7.50.

FOR GOLF LINKS AND PUTTING-GREENS

Specially Prepared Mixture for Golf Links. Bus. \$8.

Combination of Grasses for Sowing on Putting-Greens, to produce a dense, close sward. Qt. 50 cts., pk. \$3, bus. \$10.



Shady-Spot Lawn Seed

On almost every lawn there are shady places where it is difficult to get grass to grow. These bare spots are very unsightly and disfigure the lawn. In such places, proper seedling may be all that is required. This mixture combines fine, dwarf-growing, evergreen varieties which do well in unsheltered or shaded spots. Some varieties of grass require more sun than others, therefore, if the kinds which need the least sun are selected, those sorts, when sown in shady places, will thrive and make a good appearance. Frequently a shady lawn, which is at the same time insufficiently drained, becomes affected with moss and coarse bog grasses. In such cases an application of slaked lime at the rate of 40 to 50 pounds to each 1,000 square feet is an excellent remedy, but the moss should be first removed by the use of a sharp rake. When this is done, sow our Shady-Spot Lawn Mixture, which will bring greenness to the bare spots and restore the beauty to your lawn. Of course, very densely shaded places are quite hopeless, and no variety of grass can be made to flourish under such conditions. Qt. 40 cts., pk. \$2, bus. \$7.50.

SPECIAL MIXTURES

Often we have orders for a special mixture, some people preferring to follow out their own ideas, or wish our advice on a mixture for a peculiar situation. We are always ready and pleased to give our customers just what they want, and, whether our mixture or yours is ordered, the seed will always be the very best on the market.



A home is not complete without a velvety lawn

RESEEDING

In reseeding lawns that have become worn out by neglect or other causes, where it is not desirable to renew by plowing, it may be found very beneficial to run a light harrow over them, if the surface is large, or use a sharp steel rake for smaller spots. After this has been done, lawn seed should be sown over the surface, raking in about half the quantity advised for a new lawn, then rolling or beating down firmly; but if weeds and rank-growing grasses have got possession of the lawn, it had better be plowed under and sown afresh.

A much better stand of grass may be obtained by treating the seed with *Semesan* before sowing; also spray the soil. See page 40.

Save this Catalogue and order by it—you may be sure of prompt attention. Just state how you wish goods sent—by mail, express, or freight.

Grain, Grass, Clover and Miscellaneous Farm Seeds

We pay a great deal of attention to the quality of the Farm Seeds we offer to our customers, and spare no expense to get absolutely the best the market affords.

Owing to crop conditions and the variable market prices of Grains, Grass, and Clover Seeds, etc., it is impossible to quote prices that would be fair to our customers and ourselves. We, therefore, feel obliged to leave prices open, but assure our customers they will have the full benefit of the lowest market rates for choice, selected stocks.

SWEDISH SELECT OATS

This Oats has made for itself a reputation as an exceedingly heavy and reliable yielder. It is very hardy and prolific and yields beautiful white kernels which are especially desirable for the manufacture of rolled Oats. The straw is valuable for feed and for bedding. The sprangle-top heads, although long, are borne low down on the stalk, which seems to prevent lodging, and are very large in proportion to its stiff, bright, clean straw. As a rule, Oats yield a greater profit an acre than wheat, and they are also a more reliable crop. Market price.

Treat Oats with Semesan before sowing. See page 40



Eureka Ensilage Corn

EUREKA ENSILAGE CORN

Thousands of farmers and dairymen who have used the Eureka Corn are still of the opinion that it has all the qualities that go to make it an ideal fodder and ensilage variety. It grows quite tall (some 12 to 15 feet), makes a thick growth of fodder, and is very prolific in ears which get to the proper condition for ensilage by the first to the middle of September. Our supply for this season is very choice stock, the genuine Eureka produced for us in Virginia by a reliable grower. Market price.

IMPROVED LEAMING CORN

A superior strain of Yellow Dent Corn, not only valuable for fodder and ensilage, but will produce a big crop of matured Corn almost anywhere in New England, often 100 bushels of shelled Corn per acre. Market price.

SWEET CORN For Fodder

We are usually able to offer a good stock of this variety at a reasonable price.



Swedish Select Oats

FIELD PEAS

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at the cost of millions of dollars."—*Yearbook of the U. S. Department of Agriculture*.

Grain has been grown year after year on many farms, sapping the life and fertility of the soil. Here is a crop which is not only profitable but will return to the land the much-needed nitrogen. Peas are second only to clover in their soil-enriching properties, and can be grown under almost any condition of soil or climate. The vines make rich, nutritious hay, and if fed green to milch cows, the flow of milk will be almost doubled. They can be sown alone or with oats and fed green. It is surprising the amount of fodder which is produced in this way.

DWARF ESSEX RAPE

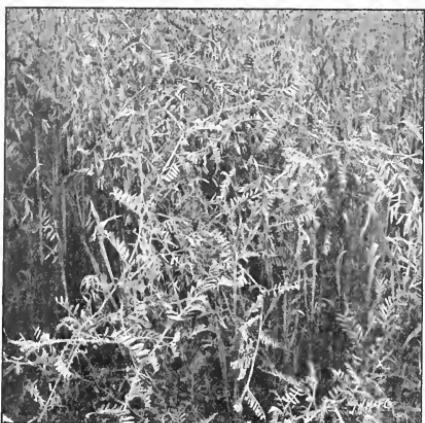
Makes Splendid Fall, Winter, and Spring Pasturage—Fine for Cattle, Sheep, and Hogs.

This is a most important forage plant and is often used by the fruit-grower as a cover crop, or it is excellent for renewing humus in worn-out soils. It grows like a rutabaga, with a very leafy top but no swollen root.

Rape for fall use should be sown in July, August, or September. It makes a large-yielding, nutritious, succulent green feed or pasturage all through the fall and early spring. Rape can be successfully sown both in the fall and spring. Early fall seeding, however, gives the best results. It is best sown in drills at the rate of 3 to 5 pounds per acre, or it can be sown broadcast, when from 6 to 8 pounds per acre should be used.

COVER CROPS

It is always wise to sow a cover crop on any land that is bare, in the fall as early as September. These crops are to be turned under in the spring and add much fertility to the soil, putting it in much better condition than if no cover crop were raised.



Sand, Hairy, or Winter Vetch

SAND, HAIRY, OR WINTER VETCH

Hairy or Winter Vetches are increasing in popularity wherever they are grown and are proving to be one of the most valuable crops for fall planting. They not only make a large yield of the most nutritious hay, but they improve the condition and productivity of land for crops to follow, as much as any crop that can be sown, not even excepting crimson clover and cowpeas.

The forage is greatly relished by horses and all kinds of cattle, is very nutritious, and makes fine, milk-producing food.

On some soils, Vetches seem to require soil inoculation, to give the best results, but on the great majority of our soils they will yield splendid crops without any inoculation whatever. Where Vetches do not do so well the first year, it is advisable to resow them upon the same land, when the resulting crop will be a great surprise in its yield and growth.

Sow 20 pounds of Vetch and 1 bushel of rye or oats to the acre

COWPEAS, New Era. This variety is of real value, both in the southern and in the northern states, as a green summer feed for sheep and as a green crop for plowing under to enrich the soil. Sow for plowing under at the rate of 2 bushels to the acre, or with oats at the rate of 1½ bushels of each per acre.

BEAN, Soja (*Soja bispida*). Resembles a bean. The haulm is stiff and the pods are produced in clusters of from two to five, each containing four smooth, oval, nankeen-colored seeds. This plant is said to thrive well in hot and dry weather. Very valuable for the South.

BUCKWHEAT, Japanese. Earliest and most productive of the Buckwheats.

RYE, Spring. Best northern-grown. Sow 1½ bushels to the acre.

Winter. Sow in September and October at the rate of 1½ bushels to the acre.

WHEAT, Winter. Extra-choice stock.

Spring. Northern-grown.

BARLEY, Chevalier. A two-rowed variety that is more largely used for forage than the six-rowed. Seed grown on the irrigated lands of Montana; very plump, extra-heavy and nearly white. Stock short this season, but of very good quality.

**Inoculate this
Seed with
FARMOGERM**

**Inoculate this
Seed with
FARMOGERM**

**Inoculate this
Seed with
FARMOGERM**

SEED INOCULATION



*The Best Inoculation for All Legume
Seeds Means Better Crops, Better
Soils, Less Fertilizer Expense*

Seeds of all legumes—Clovers, Alfalfa, Sweet Clovers, Beans, Peas, Vetches, Soy Beans, Cowpeas, etc.—will yield far better results if inoculated with FARMOGERM, and, in addition, leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops in the rotation. FARMOGERM is guaranteed for five years—always fresh—always strong and virile.

A Sensible Insurance and a Profitable Investment

We believe in inoculation, we favor the pure jelly medium, and we believe in FARMOGERM. We recommend that all legume seeds purchased from us be inoculated before planting.

HOW TO ORDER: Specify crop and number of bushels you wish to inoculate (one-bushel size contains sufficient bacteria to thoroughly inoculate one bushel of designated variety of legume seed).

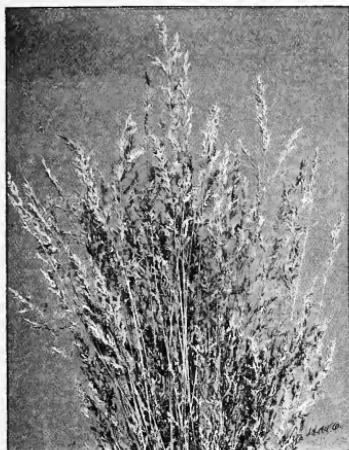
PRICES—For small seeds—Clovers, Sweet Clovers, Alfalfa, etc.

For Large-Size Seeds—Soy Beans, Cowpeas, Peas, Beans, Vetches, Etc.

1/4-bus. size.....	\$0 35	1/4-bus. size.....	\$0 35
1/2-bus. size.....	60	1-bus. size.....	60
1-bus. size.....	1 00	5-bus. size.....	2 25
2 1/2-bus. size.....	2 25	Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25 cts.	
10-bus. size.....	8 00		



The same high-grade bacteria carried in a specially prepared Humus medium for those who prefer that type of culture. SAME SIZES and PRICES.



Red Top Grass



Timothy



Crimson Clover. See page 24

GRASS AND CLOVER SEEDS

All our Grass and Clover Seeds are of the finest quality. Comparison of samples and prices invited

GRASSES

For General Grass-seeding for Mowing-Lands

Sow Clover, Timothy, and Red-Top mixed. For an acre, 8 pounds Clover, $\frac{1}{2}$ bushel Timothy, 8 pounds Fancy Clear Red-Top.

Treat your Grass Seed with SEMESAN before sowing. See page 40. Ask for descriptive pamphlet

The importance to the farmer of a good selection and proper mixture of grass seeds for the various purposes of cultivation, for mowing, for soiling, for permanent pasture, etc., cannot be over-estimated. We prepare a special mixture containing only the most suitable grasses for permanent pastures and meadow lands, such as Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island Bent, Meadow Fescue, English Rye Grass, Perennial Sweet Vernal, Red-Top and Clovers. Two to four bushels of this mixture is seed to plant an acre, according to the condition of the land.

Timothy, or Herd Grass (*Phleum pratense*). A well-known nutritious grass, which on most soils will produce a better crop than any other variety. We offer a particularly choice quality of seed. Sow $\frac{1}{2}$ bushel an acre, if alone (45 pounds to the bushel).

Red-Top (*Agrostis vulgaris*). A great favorite, succeeding in a great variety of locations, giving very good results on light soils, and the very best on heavy, moist soils or lowlands liable to overflow, which are so apt to be sour and acid. It does not thrive on sandy or leachy soil. The first year it grows somewhat slowly, spreading by creeping root-stocks. Height, 1 to 2½ feet. Maturing at about the same time as Timothy, it is used considerably with it and Red Clover to make a heavier yield. Cut when in bloom in July. It is also a splendid grass for lawns, and is very commonly included in mixtures. The usual rate of seeding is 14 to 16 pounds of fancy recleaned seed an acre, but if in the chaff, double the quantity.

Wood Meadow (*Poa nemoralis*). Well adapted for growing under trees and in shaded situations. Dwarf and fine-growing. Sow about 2 bushels an acre (14 pounds to bushel).

Rhode Island Bent (*Agrostis canina*). A fine, hardy, very compact grass; very permanent, readily forming a heavy sward; excellent for pasture. Sow 4 bushels an acre, if alone (10 pounds to bushel).

Kentucky Blue (*Poa pratensis*). Known as June-Grass. An early grass of great value; makes a close, velvety turf, and is excellent for pasture; generally sown mixed with other grasses. Sow about 3 bushels an acre, if used alone (finest seed 14 pounds to bushel).

Orchard Grass (*Dactylis glomerata*). It is very satisfactory for the meadow when sown with other grasses, the hay being very nutritious, but it should be cut when in blossom. It is not suitable to sow alone, because of its tufted habit. Especially adapted for shady places, particularly in orchards, wood-lot pastures, and usually sown in the spring, but under favorable conditions may be sown in the fall. Sow 30 to 40 pounds of seed an acre.

Pacey's Perennial Rye. Smaller seeded and finer leaved than the type. The smaller plants it produces are claimed to be more resistant to cold and superior for turf on fairways where grass is needed quickly.

Perennial Rye (*Lolium perenne*). An early, hardy, and very nutritious grass for meadows, pastures, or hay crop. Generally used with other grasses. If used alone, sow 2 bushels an acre (24 pounds to bushel).

Meadow Fescue (*Festuca pratensis*). Of great value in mixtures for permanent pastures; very nutritious, of good flavor, and is much relished by live-stock. Sow 2½ bushels an acre (15 pounds to the bushel).

Crested Dog's Tail (*Cynodon cristatus*). A perennial grass much valued for its dwarf habit and hardiness. One of the finest for lawns. Sow 2 to 3 bushels an acre (28 pounds to bushel).

Sweet Vernal (*Anthoxanthum odoratum*). Useful to mix with other grasses for lawns, in which it is invaluable on account of its early growth and fragrant odor, which it imparts to the other grasses when drying; very hardy and permanent. (11 pounds to bushel.)

PRICES ON GRASS SEEDS.—Owing to frequent changes, we cannot make a fixed price, but assure you we shall sell as low as the lowest for high-grade seeds.



Sudan Grass

GRASS AND CLOVER SEEDS, continued

Meadow Foxtail (*Alopecurus pratensis*). Very valuable mixture for permanent pastures exposed to heat and drought; early and rapid in growth; not a valuable hay grass. (8 pounds to bushel.)

Sheep's Fescue (*Festuca ovina*). Of dense growth; excellent for dry situations and sheep-pastures. Sow 2½ bushels an acre. (12 pounds to bushel.)

Hard Fescue (*Festuca duriscula*). Perennial; 1½ to 2 feet high; June. The most vigorous of the dwarf-growing grasses. Thrives well in dry soils; comes early and withstands long droughts. Very nutritious as a hay crop and valuable for permanent pasture. Sow 2½ bushels an acre. (14 pounds to bushel.)

Red Fescue (*Festuca rubra*). Perennial; 2 to 2½ feet high; June and July. On account of its creeping habit is especially valuable for loose, sandy soils and embankments. It easily resists drought and often is green when other grasses are dried up. Sow 2½ bushels an acre. (14 pounds to bushel.)

Tall Fescue (*Festuca elatior*). A valuable perennial grass, very productive and nutritious. It is native to moist, heavy soil where it probably does best, but it succeeds well on any good soil, wet or dry. If used alone, sow 40 pounds an acre.

Creeping Bent (*Agrostis stolonifera*). Perennial; 1 to 2 feet high; July. A grass desirable for either lawns or permanent pasture on account of the firm and enduring turf it produces. Specialized to moist situations. Sow 40 pounds an acre. (20 pounds to bushel.)

Sudan Grass. A new forage plant closely related to the cultivated sorghums; of value in the dry Middle West as a drought-resisting hay crop. In the East and North should be tried as a substitute for millet, as the crop is larger and has better feeding value. Care should be exercised in turning cattle onto second growth. In rows, 4 to 6 pounds to the acre; broadcast, 20 pounds to the acre.

Clovers Are a Necessity on Every Farm

Clovers enrich the soil, for their roots gather immense quantities of nitrogen-fixing bacteria, which take nitrogen from the air and leave it in the soil in a form readily available for growing crops. Nitrogen is the most expensive chemical to buy in fertilizer. Why not make use of this cheap source and encourage their growth by the use of

FARM-GERM
SEED INOCULATION

MILLET or HUNGARIAN GRASS SEED

Prices variable; subject to market fluctuation

Hungarian Grass (*Panicum germanicum*). One of our best forage plants and yields immensely, even when the weather is so dry that other crops dry up. One of the best annual grasses for green fodder or hay. Sow from June 15 to July 31. One bushel seeds an acre. (48 pounds to bushel.)

Millet, Tennessee Golden. Of stronger and taller growth than other Millets and does not mature so early. Sow 1 to 1½ bushels per acre. (50 pounds to bushel.)

Millet, Japanese Barnyard (*Panicum Crus-galli*). This Millet is valuable as a green or dry fodder, or for soiling. It is erect in growth, very leafy, and the stalks are tender and succulent, even when matured. Produces from 15 to 20 tons green fodder per acre. As fodder crop sow 20 pounds to acre

CLOVERS

Medium Red. The well-known Red Clover.

Alsike. Hardy, productive, fragrant; succeeds best on stiff, cold soils.

White. Used in nearly all mixtures for lawns and valuable for pastures.

Crimson. An annual used for soiling and for plowing under to enrich the soil.

Canadian Variegated Alfalfa. Grows and looks much like Grimm. In hardiness, intermediate between Grimm and Northwestern Common.

Common Alfalfa. Requires well-drained land and an abundant application of lime previous to sowing. August is the best time to sow. Use 20 to 25 pounds to the acre.

Grimm Alfalfa. Only a few strains of Alfalfa equal, and *none* excel true Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter killing.

White Blossom Biennial Sweet Clover. Of great value as a soil renovator. It will thrive on all classes of soil, which it greatly enriches if plowed under. Sow any time from April until the middle of September at the rate of 15 to 25 pounds to the acre.

Labor-saving devices for the agriculturist are listed, beginning with page 50



White Blossom Biennial Sweet Clover

SWEEPSTAKES PEDIGREE SEED CORN

ACKNOWLEDGED
THE BEST

ENSILAGE CORN IN THE COUNTRY

The XXX Grade Only
Guaranteed 90 Per Cent Live Kernels

THE ONLY GENUINE
SWEEPSTAKES

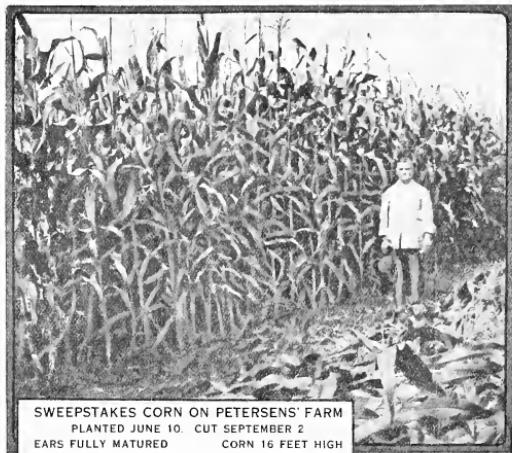
The W. E. Barrett Company
Are Rhode Island Distributors

The Copyright *Yellow Tag* on Every Bag is
Your GUARANTEE

We hold certificate of agency for the sale and distribution of this wonderful brand of Seed Corn, and when the farmer grows Sweepstakes he has the facts when he feeds it. There is only one brand of Sweepstakes Pedigree Seed Corn, which is grown and put up under the most careful inspection and supervision at all times.

The International Consolidated Record Association, Inc., of Elmira, N. Y., grows and ships the seed we sell, and we shall be pleased to have every one of our customers and friends plant Sweepstakes Pedigree Seed Corn.

It has quality and is dependable. Sold at a uniform price of \$10 per sack of 2 bushels



SWEEPSTAKES CORN ON PETERSENS' FARM
PLANTED JUNE 10. CUT SEPTEMBER 2
EARS FULLY MATURED CORN 16 FEET HIGH

NORTHERN-GROWN SEED POTATOES

Carman No. 3. A handsome, round, white variety of the best quality; large, almost no small tubers. Claimed by the introducer to outyield any of its class. Vines large and vigorous, not troubled by bugs or blight as much as other sorts.

Early Ohio. One of the standard early varieties. A full week earlier than the Early Rose. Shape, oblong; quality, dry, mealy, fine texture and flavor. Excellent cropper, but requires rich, moist soil.

Houlton Early Rose. We furnish fine Maine and Prince Edward Island Early Rose in large lots at special prices.

Gold Coin. Fine-shaped tubers, rather oblong; white; russety skin. Almost every Potato is of good market size. Will yield 300 or more bushels to the acre.

Green Mountain. (*Certified stock.*) A late Potato which does well on all kinds of soil; very productive; oval; a good keeper, and of fine quality.

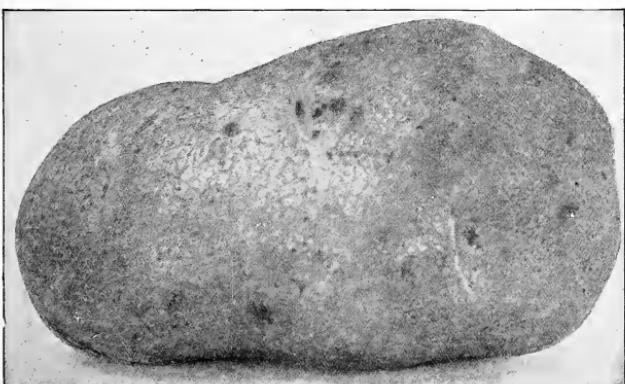
Irish Cobbler. (*Certified stock.*) One of the first varieties of Potatoes to be ready for market, and therefore will command a good price. The skin is creamy white, sometimes netted, which is an indication of good quality; eyes are strong, well developed, and but slightly indented.

Norcross. Hardy; enormous yielder; resists blight. Exceptionally fine variety. Originated by Charles Norcross, Litchfield, Maine, in 1895. Seed-ball grown on the old Early Rose, pollinated by Beauty of Hebron. W. E. Johnston, hearing of its yielding quality, procured some of the seed, tested it with some 200 other kinds, and it was the best in quality and yield.

Spaulding Rose. (*Certified stock.*) A vigorous grower; great yielder; resembles the Early Rose in shape and color. It is fast finding its place as one of the standard late varieties. We recommend it to all who want a good quality winter Potato.

Semesan Bel

Before planting your Potatoes, give your seed a Semesan Bel treatment, thereby greatly increasing the yield. It will also reduce scab. We would be pleased to mail you descriptive pamphlet. See page 40.



Green Mountain Potato

STIMUPLANT
Makes a
WONDER GARDEN

See page 32

A liberal discount is given on Flower Seeds sold in packets. This does not apply to collections nor to seeds by the ounce or pound. For \$1, select seeds amounting to \$1.25; for \$2, select seeds amounting to \$2.50; for \$3, select seeds amounting to \$3.75; for \$4, select seeds amounting to \$5.

FLOWERING PLANTS. We carry a full line of the popular annuals and perennials in season.

CHOICE ANNUALS FOR BLOOM THE FIRST SEASON



Crego Aster



Branching Aster

ASTERS

The Aster is a royal annual, glorifying the garden with a rich display of bloom until the chrysanthemum, for which it is a fitting forerunner, begins to open its buds. The different forms are grown in gardens everywhere. Our collection includes the most distinct forms and varieties of rich colors. A good selection will give elegant flowers for cutting from July until frost.

HEART OF FRANCE. A pure Red Aster. This beautiful new variety opens as red as the purest ruby, deepens with age, and retains its remarkable color to the very end. The petals appear strikingly changeable, at one time showing a glow and sheen quite unique, and at another a soft, warm, velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and commands instant admiration. Flowers large and full; plant of the branching type. Stems long and strong, 1½ to 2 feet. $\frac{1}{8}$ oz. 40 cts., 5 pkts. \$1.50 25

CREGO or GIANT COMET. Large, perfectly shaped flowers with long petals, wavy and twisted, suggestive of a Japanese chrysanthemum. Very handsome, average from 3 to 4 inches across and are borne thickly on pyramidal plants from 12 to 15 inches high. **White, Carmine, Rose, Light Blue, Yellow, and Mixed.** $\frac{1}{8}$ oz. 40 cts. 20

SEMPLE'S BRANCHING. A choice strain which, by careful selection, has been brought to a high degree of perfection. Plant of branching habit, producing from ten to twenty large, perfect flowers. **White, Pink, Lavender, and Mixed.** $\frac{1}{8}$ oz. 40 cts. 10

LARGE-FLOWERING VICTORIA. Immense showy flowers, perfectly double to the center, with regularly overlapping petals; distinguished in appearance and excellent for cutting. The plants form pyramids 1½ feet high, and carry fifteen to twenty flowers. **White, Azure-Blue, Peach-Blossom, Rosy Carmine, Crimson, Dark Blue, and Mixed.** $\frac{1}{8}$ oz. 50 cts. 20

QUEEN OF THE MARKET. A very early variety, producing an abundant supply of beautifully colored flowers early in July. These are of great value for an early display or for quick growing cut-flowers, and are used quite largely for this purpose. 1 foot. **White, Crimson, Pink, Blue, and Mixed.** $\frac{1}{8}$ oz. 30 cts. 10

ABRONIA

Pretty, trailing plants of easy culture, with prostrate branches and clusters of sweet-scented flowers, somewhat like verbenas in profusion. Fine for baskets, rockwork, and borders.

Pkt.

Umbellata grandiflora. Large clusters of rose flowers.... \$0.10 10

ADONIS

Free-blooming plants, about a foot tall, with feathery foliage; large, brilliant flowers, in early spring, lasting a long while.

Autumnalis. Pheasant's Eye. Intense dark red flowers, Pkt. with black center. $\frac{1}{8}$ oz. 25 cts. 10

Vernalis. See Perennials. $\frac{1}{8}$ oz. 25 cts. 10

AGERATUM

These are greatly valued for bedding on account of their neat, vigorous growth and free-blooming habit. They bloom the whole summer through, where sown early.

Lasseauxi. Fine clusters of bright rose flowers, borne long Pkt. and abundantly; valued for cutting. $\frac{1}{8}$ oz. 25 cts. \$0.10 10

Mexicanum, Little Dorrit, Dwarf Blue. Flowers bright blue. The plant is very dwarf, free-blooming, and handsome. $\frac{1}{8}$ oz. 25 cts. 10

Mexicanum, Little Dorrit, Dwarf White. Like above, with large clusters of white flowers. $\frac{1}{8}$ oz. 25 cts. 10

AGROSTEMMA

Coeli-rosa. Rose of Heaven. Exceedingly pretty and graceful rose-colored flowers. $\frac{1}{8}$ oz. 25 cts. 10

ALYSSUM

A great favorite for bouquets and house culture, as well as for outdoor baskets and border edgings.

Maritimum, Little Gem. Very dwarf and spreading. Pkt. Oz. 75 cts. \$0.10 10

Maritimum Benthami. Sweet Alyssum. Trailing, very sweet white flowers. Oz. 50 cts. 10

Saxatile compactum. See Perennials. $\frac{1}{8}$ oz. 25 cts. 10

ASPERULA

Azorea-setosa. Light lavender, fragrant flowers. 9 in. 10



Ageratum

SUPERB BALSAM • Lady's Slipper

Popular, easily grown plants, giving brilliant masses of beautiful flowers for little care. They are about 2 feet in height, but transplanting dwarfs them and makes the flowers more double. Some are as double and perfect as camellias, and they range through all dark, rich, brilliant and delicate colors.

Double Rose-flowered. Flowers are very large double, Pkt. and of perfect form. Fine Mixed, \$0 10

Improved Camellia-flowered. Regular perfect blooms, large and full to the center. Separate Colors and Choice Mixed, Each, 10

Florists' Best Double White. 10

Mixed Double. All kinds and colors. $\frac{1}{4}$ oz. 25 cts. 10

BARTONIA

Aurea (*Mentzelia aurea*). Handsome plants, with downy foliage and fragrant, large, golden yellow flowers, which open in the evening. Thrives in any soil. Height about 3 feet. $\frac{1}{4}$ oz. 25 cts. 10

BRACHYCOME

Iberidifolia. *Swan River Daisy.* Flowers light and graceful, and borne profusely; colors blue or white, with dark center. Plants spreading in habit, about a foot tall. Mixed, $\frac{1}{4}$ oz. 40 cts. 10

CACALIA

Coccinea (*Emilia flammea*). *Tassel Flower.* Loves a rich, sunny spot, where they bloom until late autumn. The tassel-shaped flowers are bright scarlet and borne in graceful clusters. $\frac{1}{4}$ oz. 25 cts. 10

CALENDULA • Pot Marigold

Grows well anywhere and produces a bright and constant mass of color until frost.

Officinalis grandiflora fl.-pl. Semi-dwarf plant with handsome, very large, double, pure golden yellow flowers. The best Marigold in cultivation. Very brilliant. Oz. 50 cts. \$0 10

Prince of Orange. Large, very double flowers of rich, deep orange, striped with a lighter color. Oz. 50 cts. 10

The Ball. This special forcing strain of Calendula produces exceptionally large, extra-double flowers of bright orange. $\frac{1}{4}$ oz. 75 cts. 25



Giant Empress Candytuft



Calendula

CANDYTUFT • Iberis

Plants of branching habit bearing spikes of flowers. Very showy for borders. One of the best cut-flowers for bouquets. Pkt.

Finest Mixed. 1 ft. Oz. 40 cts. \$0 10

Umbellata purpurea. Dark purple. 1 ft. $\frac{1}{2}$ oz. 30 cts. 10

Giant Empress. White; extra large. Fine for forcing. 2 ft. $\frac{1}{2}$ oz. 40 cts. 10

Tom Thumb. Very dwarf, forming a low, dense mass of green against which the large clusters of white flowers are very effective. $\frac{1}{2}$ oz. 30 cts. 10

CANNAS

Crozy's New Dwarf Large-flowering French

For rich effects in bedding, the Dwarf French Cannas have now few rivals in popular estimation. As pot-plants or for winter-flowering they are also favorites. The seed should be soaked in hot water eight to ten hours before planting, and started early in hotbeds or in the house.

Fine Mixture of choice seeds, from dwarf, early-flowering Pkt. plants. $\frac{1}{4}$ oz. 25 cts. \$0 10

CARNATIONS, MARGARET

Annual forms, blooming soon after the seed is sown

This new form of the hardy Carnation blooms four months from seed. Is much admired and valued in all gardens where it has been tested. Plants vigorous, semi-dwarf, and neat, and it sown under glass in March or April, begin blooming in early summer and yield a brilliant display of flowers until frost. Plants which have bloomed all summer in the garden are frequently potted for winter decoration and bloom in the window for a long time. The flowers are large, quite double, and perfectly formed, never bursting the calyx, and show all colors and variegations through beautiful shades of red, pink, and white. Fine for cutting; stems are good, and the flowers are produced in great profusion.

Pkt.
Pure White, Rose, Scarlet, Violet, Mixed. $\frac{1}{4}$ oz. 50 cts. \$0 10

CELOSIA • Cockscomb

For beds, borders, pot culture, and winter bouquets

Celosias are free-blooming, growing best in rather light soil. Can be started early inside or may be planted outside in May.

Cristata, Glasgow Prize. Immense, showy dark crimson Pkt. combs. 1 ft. Oz. 40 cts. \$0 25

Pyramidalis plumosa childsei. *Chinese Woolflower.* Crimson. 2 ft. 25

Pyramidalis plumosa, Golden Yellow. 2 ft. 25

Pyramidalis plumosa, Scarlet. 2 ft. 25

Pyramidalis plumosa magnifica. Mixed colors. 2 ft. 25



Flowers of Helichrysum

CENTAUREA • Bachelor's Button

Cyanus. Blue Bottle; Cornflower; Ragged Sailor. One of Pkt. the most popular of our garden annuals, blooming continually all summer.

Finest Mixed. 2 ft. Oz. 30 ets. \$0 10

Deep Blue, Single. 2 ft. Oz. 35 ets. 10

Deep Blue, Double. Oz. 35 ets. 10

Imperialis. Giant Cornflower. Flowers very fragrant, of immense size, and great variety of colors.

Finest Mixed. 2 ft. $\frac{1}{4}$ oz. 25 ets. 10

Moschata. Sweet Sultan. Very showy, fragrant flowers, excellent for cutting.

Finest Mixed. 2 ft. $\frac{1}{4}$ oz. 30 ets. 10

CHRYSANTHEMUM

Carinatum fl.-pl. Summer-blooming. The majority of the flowers are very double, and bronzy yellow, tinged with red or rose, but some will be pure white or crimson, and of graceful semi-double form. $\frac{1}{4}$ oz. 25 ets. 10

CLARKIA

Elegans. Early, profuse-flowering plants averaging $1\frac{1}{2}$ feet in height, with oddly formed double flowers of bright rose, purple, or white. Single and Double. $\frac{1}{4}$ oz. 30 ets. 10

COLLISSIA

Brightly colored flowers, borne in whorls, several of which cluster about each stem. Plants continually in flower. $1\frac{1}{2}$ ft. Pkt.

Mixed. $\frac{1}{4}$ oz. 25 ets. \$0 10

CALLIOPSIS • Bright Eyes

Plants are of graceful habit, easy culture, and flower profusely throughout the season. As popular for cutting as for garden culture.

Drummondii. Golden Wave. Pure bright yellow flowers, Pkt. with a rich velvety brown eye. The plant is compact, bushy, and blooms freely. $\frac{1}{4}$ oz. 25 ets. \$0 10

Tinctoria. Double flowers of a rich golden yellow color, with wine-maroon spots. $\frac{1}{4}$ oz. 25 ets. 10

COSMOS

Fine for cutting having long, slender stems, airy, graceful flowers, and feathery foliage. Plants tall and strong-growing, from 4 to 6 feet high, and a perfect fountain of bloom from September until frost. Should be started early. Pkt.

White Pearl. Large, snow-white flowers. $\frac{1}{4}$ oz. 25 ets. \$0 10

Large-flowering Crimson and **Large-flowering Pink**.... $\frac{1}{4}$ oz. 25 ets. 10

Grand Mixture. Will produce monster flowers with frilled petals; with large, round, open petals, with irregular, laciniated petals; white flowers, flecked and clouded with pink; shaded light and dark; beautiful shades of red and crimson; star-like flowers, with fringed edges, pink, white, red, in endless combination. $\frac{1}{4}$ oz. 20 ets. 10

Early-flowering, Finest Mixed. Seed, if sown in March and April, will flower during July. Our seed is all grown in New England from our special strain. 4 ft. $\frac{1}{4}$ oz. 25c. 10

SHASTA DAISY

The flowers are very large, a foot or more in circumference, growing on long stems, with two rows of broad, pure white petals and a yellow center. Pkt. 10 ets.

DIANTHUS

Brilliant and popular Garden Pinks

Gay, spicy fragrant flowers, well loved and grown everywhere in almost any soil. It literally covers its dense thicket of leaves and stems with brilliant masses of flowers. All the varieties named below bloom the first year from seed.

Sinensis fl.-pl. Double Chinese or Indian Pink. Large Pkt. and double, in all rich colors. Fine Mixed. $\frac{1}{4}$ oz. 25 ets. \$0 10

Hedewigii grandiflora fl.-pl. Crown of Perfection. Flowers of immense size and very double; produced in greatest profusion. Colors, from purest satiny white to intense red, soft pink and flesh tints and a large proportion of flowers marked in various hues. $\frac{1}{4}$ oz. 30 ets. 10

Hedewigii diadematus fl.-pl. Double Japanese, or *Diadem* Pink. Flowers large and fine and very double, ranging through all colors. Finest Mixed. $\frac{1}{4}$ oz. 40 ets. 10

Imperialis fl.-pl. Double Imperial Pink. An extra-fine mixture, producing all colors. $\frac{1}{4}$ oz. 30 ets. 10

Barbatus. Sweet William. See Perennials.

DIDISCUS • Blue Lace Flower

Caerulea. Exquisite pale lavender blooms from July to October. Fine for cutting. Height 18 inches. 15

ESCHSCHOLTZIA • California Poppy

Californica. Brilliantly colored and poppy-like, shining with a silken luster in the sunshine. A bed of them is fairly dazzling, with its rich hues of orange, pure yellow, scarlet, creamy white, crimson and carmine. Single. $\frac{1}{4}$ oz. 25 ets. Double. $\frac{1}{4}$ oz. 25 ets. 10

EVERLASTING FLOWERS

Flowers retain their form and color for years, if cut when just in bud and hung head downward to dry. Pkt.

Acroclinium. Mixed. 1 ft. $\frac{1}{4}$ oz. 30 ets. \$0 10

Globe Amaranth. Bachelor's Button. Mixed colors. 1 ft. $\frac{1}{4}$ oz. 25 ets. 10

Helichrysum. Strawflower. Mixed. 2 ft. $\frac{1}{4}$ oz. 25 ets. 10

GAILLARDIA • Blanket Flower

Showy bedding plants, averaging about 2 feet in height, and covered with flowers from midsummer until frost.

Pulchella picta Lorenziana. Double flowers, in many Pkt. bright colors. $\frac{1}{4}$ oz. 25 ets. \$0 10

Aristata (grandiflora). See Perennials.

GODETIA

Mixed. Compact, branching, attractive little plants, always gay with white, rose, or crimson flowers. $\frac{1}{4}$ oz. 25c. 10

C-

HELIOTROPE

Finest Mixed. Excellent for bedding; very fragrant flowers, fine for cutting. Grows well in the house. 2 ft. $\frac{1}{4}$ oz. 40 cts. \$0 10

HELIANTHUS • Sunflower
ANNUAL VARIETIES

The tall-growing sorts are fine for background along fences and walls or large borders; small varieties, for cutting. $\frac{1}{4}$ oz. 20 cts.

Californicus fl.-pl. Double; deep yellow. 5 ft. $\frac{1}{2}$ oz. 25c. \$0 10
Globosus fistulosus. Globe-shaped; yellow. 6 ft.

Nanus variegatus. Dwarf; handsome variegated foliage. 4 ft. $\frac{1}{4}$ oz. 20 cts.

Debilis cucumerifolius. *Miniature Sunflower.* Of pyramidal growth, covered with hundreds of small, single, bright orange flowers. 3 ft. $\frac{1}{4}$ oz. 20 cts.

HIBISCUS

Trionum (africanus). Showy and effective. The large, cream-colored flowers have a rich, dark brown center. The plants grow about 2 feet tall.

KOCHIA

Trichophylla. *Summer Cypress; Mexican Firebush.* Pretty little bushes of pyramidal shape; foliage delicate green, the little, brilliant scarlet flowers completely covering the whole plant. Excellent for hedges along walks in gardens. 3 ft. $\frac{1}{4}$ oz. 25 cts.

LANTANA

Hybrida. Verbena-like heads in colors of orange, rose, and white. A fine bedding plant. 2½ ft. $\frac{1}{4}$ oz. 30 cts.

LARKSPUR • Delphinium

Rocket Larkspurs are very showy, and produce their bright-colored spikes of flowers the first season if sown early. For other Larkspurs, see Perennials. $\frac{1}{4}$ oz. Pkt.

Dwarf Double German Rocket. All colors mixed. \$0 20
Tall Double German Rocket. All colors mixed. 25 10

LINUM

Grandiflorum rubrum. *Scarlet Flax.* An easily grown plant with fine stems and foliage and producing a profusion of beautiful bright scarlet blooms. $\frac{1}{4}$ oz. 20 cts. 10

LOBELIA

The Erinus forms of Lobelia are quite showy and free-blooming; the dwarf forms are used for edgings, vases, etc.; other sorts for beds. All are of easy culture.

Erinus gracilis, light blue, and **Erinus alba**, pure white. Pkt.
Trailing. \$0 10

Erinus compacta varieties: **Alba**, pure white; **Crystal Palace**, dark blue, and **Prima Donna**, rich crimson. 10

Erinus speciosa. Ultramarine-blue. Trailing. 10

Erinus speciosa superba. Dark blue, with white eye. Trailing. 10

LUNARIA

Annua (biennis). *Honesty.* A hardy biennial that must be sown in autumn or early spring in order to bloom the first year. Flowers purple and double. 10

LUPINUS • Sun Dial

A very effective plant in mixed borders and grows about 2 feet tall. The seed should be sown where the plants are to stand. **Mixed.** $\frac{1}{4}$ oz. 25 cts. 10

MALOPE

Trifida grandiflora. *Mallow.* Robust branching plants, usually about 2 feet high, with very pretty large, mallow-like red or white flowers. **Mixed.** $\frac{1}{4}$ oz. 20 cts. 10

MARIGOLD

DOUBLE FRENCH AND AFRICAN

Showy plants for midsummer and autumn bloom, growing 1 to 2 feet tall; free-flowering and easy to grow.

Eldorado. Finest of the double African Marigolds. Flowers from 3 to 4 inches across, very double, of bright golden orange and primrose shades. **Mixed.** $\frac{1}{4}$ oz. 40 cts. \$0 10

Tall Double French. Flowers of various bright colors. **Mixed.** $\frac{1}{4}$ oz. 20 cts. 10

Dwarf Double French. Plants low and compact. **Mixed.** $\frac{1}{4}$ oz. 20 cts. 10

MATRICARIA

Capensis. *Chamomile Feverfew.* Fine for cutting and pot culture, as well as for beds and borders. Thrives well in all soils; blooms until frost. Flowers pure white, double. 18 to 20 inches tall.

MESEMBRYANTHEMUM

Crystallinum. *Ice Plant.* Glistening waxy leaves and stems covered with a shining granular coat. Flowers quite pretty and of various colors. Plant trailing, about 6 inches high. Well adapted for baskets, vases, borders, etc. **Mixed.**

MIGNONETTE

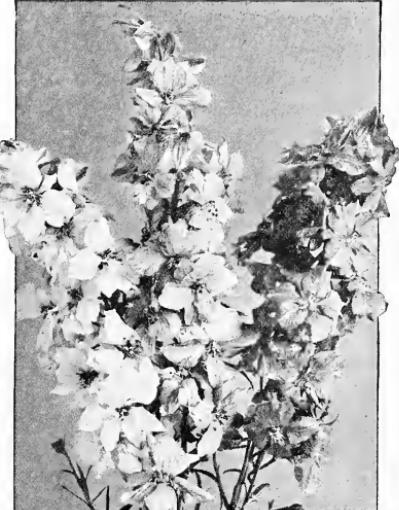
The matchless perfume of this modest flower renders it one of the most popular annuals grown. In form and color the flower-spikes have been greatly improved, but it is for their delicate, subtle fragrance that they will always be chiefly valued for garden and window culture, and for the costliest as well as the simplest bouquets.

Defiance. Specialty adapted for pot culture. $\frac{1}{4}$ oz. Pkt. \$0 25 \$0 10

Gabrielle. Very pretty sort, bearing large spikes of red flowers. 25 10

Large-flowering. The old and well-known Mignonette, still as sweet as any. $\frac{1}{4}$ oz. \$0 25 10

Machet. The best variety for pots. Dwarf, free-blooming, with flower-spikes beautiful, bright reddish maroon; very sweet. $\frac{1}{4}$ oz. \$0 25 10



Larkspur



Tom Thumb Nasturtiums

MIMULUS • Monkey Flower

Flowers showy and oddly marked; ground color white or yellow, flaked and spotted with maroon, scarlet or crimson. Plants dwarf, compact, and bloom continuously.

Moschatus. The well-known Musk Plant, with strongly Pkt. scented yellow flowers..... \$0 15

Tigrinus grandiflorus. Large-flowering, tigered and spotted varieties in many rich colors..... 10

MIRABILIS

Jalapa. Four o'Clock. Old favorites, with sweet-scented flowers of many different colors. They open in the afternoon and wither in the morning. Mixed..... Oz. 25 cts... 10

MOMORDICA

Handsome tendrill climbers, thriving in any good garden soil, bearing small odd-shaped fruit.

Pkt.

Balsamina. Balsam Apple..... \$0 10

Charantia. Balsam Pear..... 10

DWARF NASTURTIUMS

TOM THUMB VARIETIES FOR BEDDING

None of the old-fashioned plants deserve their renewal of popularity better than the Nasturtium, so brilliant and varied in coloring, free in bloom, and picturesque in appearance. Its brave and hardy habit of growth, even in hottest suns and poor soils, once gave it the name of "the soldier's flower," which was well borne out by the rollicking air of the climbing varieties; but now the artists claim it, and its pale green, shield-shaped leaves and vivid flowers appear on all sorts of choice bric-a-brac, besides being prime favorites for cut-flowers and personal adornment. Thick masses of leaves and flowers not more than a foot high.

Fine Mixture. Will produce lovely flowers of many Pkt. colors..... Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts... \$0 10

For Climbing Nasturtiums, see Ornamental Climbers.

NEMOPHILA

Of compact habit; oddly and beautifully colored flowers of blue, purple and white, in unusual markings and blippings. Pkt. Mixed..... $\frac{1}{4}$ oz. 20 cts... \$0 10

NICOTIANA

Affinis. Sweet-scented Tobacco. Produces a profusion of pure white, fragrant flowers. 3 ft..... $\frac{1}{4}$ oz. 25 cts... 10

Affinis hybrida. Mixed colors..... $\frac{1}{4}$ oz. 25 cts... 10

NIGELLA • Love-in-a-Mist

A delicately pretty plant, with light blue or white flowers, set in a mist of feathery green foliage, and bearing curious seed-pods.

Pkt.

Mixed..... $\frac{1}{4}$ oz. 20 cts... \$0 10

NOLANA

Beautiful trailing border plants, with flowers in all shades of blue and white; also admirable for hanging-baskets, etc.

Pkt.

Mixed..... $\frac{1}{4}$ oz. 25 cts... \$0 10

CENOTHERA • Evening Primrose

Flowers large, fragrant, showy, yellow being the predominating color, affording a fine display.

Pkt.

Mixed..... $\frac{1}{4}$ oz. 25 cts... \$0 10

PANSIES

We wish to call especial attention to our large and fine assortment of Pansy seed, which includes all famous and desirable shades and blippings. The collection is quite complete and contains only the finest and purest strains.

A garden without Pansies is an anomaly nowadays, for their bewitching flower-faces are grown and loved everywhere. The plants will live on from year to year, like other species of violets, but the flowers become smaller as the parent stem grows older, and so for a continual supply of flowers, the seeds are sown twice a year—in spring and autumn.

Finest Mixed. From a splendid strain of large-flowering Pkt. and finely blotched varieties..... $\frac{1}{4}$ oz. 40 cts... \$0 10

Large-flowering Prize. Special mixture prepared by ourselves, which embraces the most striking and beautiful colors. Finest mixed..... $\frac{1}{4}$ oz. 75 cts... 10

Mme. Peret. Choicest strain from a celebrated English grower..... $\frac{1}{4}$ oz. 75 cts... 10

Bugnot's Superb Blotched. Very beautiful, extra-flowering variety..... $\frac{1}{4}$ oz. \$1... 10

Trimardeau, or Giant. Beautiful class of vigorous growth with flowers of enormous size; finest strain. $\frac{1}{4}$ oz. 50 cts... 10

Parisian Giant. A splendid strain; large, beautifully marked flowers..... $\frac{1}{4}$ oz. 60 cts... 10

Giant White. With purple eye; very beautiful..... 10

Giant Yellow. Black center..... 10

See that your Garden has a fine bed of Pansies

PORTULACA

Sturdy little trailing plants that bloom brightest during our warmest, driest weather. Beds of them form brilliant rainbows of color on sunny mornings—the sun cannot be too warm for them.

Single, Mixed. In many rich colors..... $\frac{1}{4}$ oz. 20 cts... \$0 10

Double Mixed. A large percentage of the flowers will be as double as little roses..... $\frac{1}{4}$ oz. 40 cts... 10



Large-flowering Prize Pansies



PETUNIAS

No annual of the garden is more lavish with its flowers, or more readily adaptable to any and every purpose than the Petunia. So popular has it become that enthusiasts have given years of patient care to its improvement, and we now have superb show varieties, fringed, ruffled and double, mottled, striped and self-colored.

LARGE-FLOWERING DOUBLE FRINGED

Will produce strong, branching plants, prodigal of handsome flowers, very double and waxen, in all the best colors; the lighter tinted ones are especially beautiful. Pkt. 50 cts.

LARGE-FLOWERING SINGLE FRINGED

A choice mixture from superb strains, combining extreme elegance of form with a great diversity of bright and delicate colors. Pkt. 25 cts.

Inimitable Striped and Blotched. Finely shaped flow-
ers, with stelliform blotches. All sorts..... $\frac{1}{4}$ oz. 40 cts. \$0 10

Howard's Star. Dark crimson, with white star in center....

White...... $\frac{1}{4}$ oz. 50 cts.... 10

Rosy Morn...... $\frac{1}{4}$ oz. 50 cts.... 10

Crimson...... $\frac{1}{4}$ oz. 50 cts.... 10

Purple...... $\frac{1}{4}$ oz. 50 cts.... 10

Good Mixed. We will give an equal percentage of all choice types..... $\frac{1}{4}$ oz. 35 cts.... 10

PHLOX DRUMMONDII

The Drummond Phloxes have every quality desirable in a fine bedding plant. With brilliancy and variety in color they combine grace and refinement of form, a free and constant blooming habit, neat, compact growth, and ease of culture.

Nana compacta. The Dwarf Phloxes are of neat, compact habit, growing only about 8 inches high. Charming and unique. Choice mixed colors..... $\frac{1}{4}$ oz. 60 cts.... \$0 10

Stellaris fimbriata. Large clusters of flowers with fringed petals; light and effective. Mixed colors..... $\frac{1}{4}$ oz. 50 cts.... 10

Stellaris cuspidata. Star Phlox. Pretty star-shaped flowers, forming a lace-like cluster..... $\frac{1}{4}$ oz. 40 cts.... 10

LARGE-FLOWERING PHLOX

	Flowers as large as in the perennial class	$\frac{1}{4}$ oz.	Pkt.
Rotunda grandiflora alba. Pure white.....	\$0	50	10
Striata. Richly striped with red and rose.....	50	10	
Isabellina. Flowers are yellow; distinct and new...	50	10	
Kermesina splendens. Vivid crimson, white eye...	50	10	
Mixed Varieties. All varieties mixed.....	40	10	

POPPIES

The annual Poppies are quite as brilliant and effective for all purposes as the old-fashioned perennial sorts. They grow freely in any good soil.

SINGLE POPPIES

Shirley. Daintily marked and colored flowers of light, Pkt. gauzy appearance. Mixed..... $\frac{1}{4}$ oz. 25 cts.... \$0 10

Single Mixed. All the best sorts and colors. $\frac{1}{4}$ oz. 25 cts.... 10

Tulip Poppy. Grows 12 to 14 inches tall, branches freely, and bears brilliant crowns of from 50 to 60 large, vivid scarlet flowers. Begin to bloom in early June and continue until late..... $\frac{1}{4}$ oz. 30 cts.... 10

DOUBLE POPPIES

Mikado. Each blossom is a large, soft ball of finely divided petals, pure white at the base, flaming into brilliant crimson-scarlet toward the tips..... $\frac{1}{4}$ oz. 20 cts.... 10

Peony-flowered Double. Large flowers, very double and shapely, brilliantly colored; free-blooming, and more lasting than is usual with Poppies. Mixed. $\frac{1}{4}$ oz. 20 cts.... 10

White Swan. Very handsome, snowy white flowers; graceful, of fine size, fringed and double..... $\frac{1}{4}$ oz. 20 cts.... 10

For other varieties of Poppies, see Perennials

SALPIGLOSSIS • Tube Tongue

Variabilis grandiflora. This elegant half-hardy annual flowers in late summer and autumn. The blossoms are velvety, with deep veins and markings, lily-shaped and quaintly lovely. Mixed..... $\frac{1}{4}$ oz. 25 cts.... 10

SALVIA • Flowering Sage

Magnificent bedding plants, all ablaze with long spikes of blue or scarlet flowers from June until October. 1 to 2 feet.

Splendens. Flowers bright scarlet. $\frac{1}{4}$ oz. 75 cts., pkt. 10 cts.

Patens. Leaves silvery; large, beautiful, sky-blue flowers. Pkt. 15c.

Bonfire. Beautiful dwarf variety, producing long spikes of rich scarlet flowers; very free-blooming. $\frac{1}{4}$ oz. 60 cts., pkt. 15 cts.

SAPONARIA

Multiflora, Scarlet Queen. Hardy

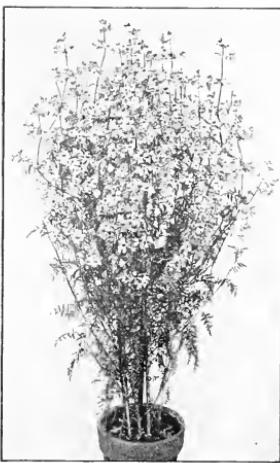
annual, growing into thick clumps, and producing masses of fragrant red, cruciform flowers. $\frac{1}{4}$ oz. 20 cts., pkt. 10 cts.

SCABIOSA

Atropurpurea grandiflora. Mourning Bride. Curious and pretty—old-fashioned flowers, still deservedly popular. Mixed. $\frac{1}{4}$ oz. 25 cts., pkt. 10 cts.



Scabiosa



Schizanthus

SCHIZANTHUS

Butterfly or Fringe
Flower

Grandiflorus. Erect-growing plants for the house or garden. It is notable for its wonderful variety of coloring and is of easy culture. Its peculiarly shaped and oddly marked flowers are fine for cutting. Finest mixed. Pkt. 10 cts.

STATICE
Sea Lavender

Sinuata Hybrids. Excellent for cut-flowers, coming in many shades. Can be dried and used for winter bouquets. Start early inside. Height 2 ft. Mixed colors. Pkt. 10 cts.

STOCKS

For an early and profuse display of brilliant flowers

These free-blooming plants are easy to grow either in beds or pots. Almost all the varieties have long, handsome spikes of fragrant flowers, which are admirable for cutting and remain fresh a long while. The Ten-Weeks Stocks are especially popular because they bloom so soon after the seed is sown.

LARGE-FLOWERING TEN-WEEKS

The plants flower ten to twelve weeks after the seed is sown. We offer a magnificent strain of this in separate colors:

Pure White, Flesh-colored, Dark Crimson, Dark Pkt.
Blood-Red, Light Blue, Pink, Scarlet, Dark Blue,
and Mixed. Each, \$0 15

CUT-AND-COME-AGAIN STOCKS

An unusually free-blooming species. The plants grow about 2 feet high, and send out numerous side branches, each of which bears a cluster of pure white, fragrant flowers, beautifully shaped and very double. From spring until late in fall the plants are covered with flowers, and they thrive equally well in pots or beds. Pkt. 15 cts.

VIRGINIAN STOCKS

Pretty, profuse-flowering little plants about 3 inches tall, with clusters of red and white flowers. $\frac{1}{4}$ oz. 20 cts, pkt. 10 cts.

VERBENAS

Plants from seed sown early in spring keep their beds gay with flowers from midsummer until frost. They are trailing in habit, and wide-spreading, loving a rich, sandy soil, plenty of room, and full sunshine. No finer seed than ours can be procured anywhere.

Mammoth Varieties. This superb strain is a great improvement on the older varieties, both in size and color of flowers and habit of plants. The florets average an inch in diameter, and have clearly defined margins and large, white centers. The trusses are large in proportion, and borne in great profusion, upon robust, vigorous plants. Seed from finest flowers. **Pink, Purple, Scarlet, White, and Mixed.** $\frac{1}{4}$ oz. 50 cts. \$0 10

Nana compacta. New dwarf varieties of very dwarf and spreading habit, requiring no pegging down. Mixed. 10
Choice Mixed. Seed saved from finest flowers. $\frac{1}{4}$ oz. 60c... 10

ZINNIAS

These glorious flowers are borne on strong, stiff stems, making them of the greatest value as cut-flowers for vasing, and in the flower-garden they stand perfectly erect, showing them in all their beauty.

GIANT DOUBLE DAHLIA-FLOWERED ZINNIAS

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect Decorative Dahlia. Grand mixture. Pkt. 25 cts.

$\frac{1}{4}$ oz.	Pkt.	$\frac{1}{4}$ oz.	Pkt.		
Purple.....	\$0 75	\$0 25	White.....	\$0 75	\$0 25
Rose.....	75	25	Yellow.....	75	25
Scarlet.....	75	25	Lilac.....	75	25

One pkt. of each \$1.25. Mixture of above colors, $\frac{1}{4}$ oz. 75c., pkt. 25c.
Elegans, Curled and Crested. Finely variegated flowers. Pkt. $\frac{1}{4}$ oz. 50 cts. \$0 10

Parviflora. The Lilliput-flowered Zinnias. Tiny flowers of double, perfect form; unique and charming for bouquets. All colors. $\frac{1}{4}$ oz. 50 cts. \$0 10

FLOWER SEEDS FOR WILD GARDENS

SPLENDID MIXTURES OF MANY BEAUTIFUL VARIETIES

These mixtures contain many beautiful and interesting annuals, furnishing a profusion of bloom from early summer until frost. They are intended to produce a display without the care necessary to regularly kept flower-beds.

Dwarf Wild Garden Flower Seeds. Pkt. 10 cts, 6 pkts. 50 cts.

Tall Wild Garden Flower Seeds. Pkt. 10 cts., 6 pkts. 50 cts.

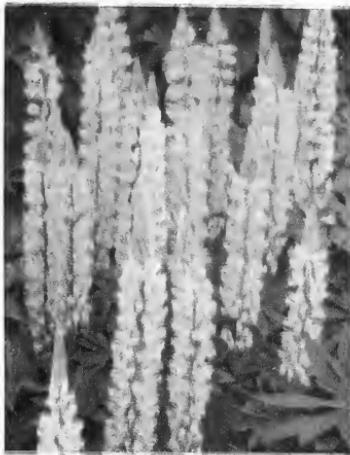


Large-flowering Ten-Weeks Stocks

STIM-U-PLANT

PLANT STIMULANT TABLETS

Is plant-food in tablet form, containing 11 per cent nitrogen, 12 per cent phosphoric acid and 15 per cent potash. Stim-u-plant tablets are the richest plant tablets sold for use in stimulating all flower, vegetable and ornamental plants. These plant tablets promote a luxuriant, vigorous growth of branch, leaf, and flower. Try them on your house plants and they will become strong and healthy. Complete directions with package. Trial size 15 tablets. Small size, 25 cts. Medium size (100 tablets), 75 cts. Large size (1,000 tablets), \$3.50.



Lupinus



Coreopsis

FOUR BEAUTIFUL PERENNIALS

Lupinus polyphyllus. Mixed colors. Pkt. 25 cts. Chrysanthemums. Mixed colors. Pkt. 10 cts.
Coreopsis drummondii Pkt. 10 cts. Papaver nudicaule Pkt. 15 cts.

THE FOUR FOR 50 CENTS



Chrysanthemums



Papaver nudicaule (Iceland Poppy)



W. E. BARRETT CO.'S SPECIAL MIXTURE OF GLADIOLUS

\$4 per 100

Perhaps the best way to enjoy Gladiolus, if one is not especially concerned with variety names, is to grow them in mixture. We offer a superb assortment of finest named varieties of this favorite, easily grown flower. Planted liberally, they will furnish abundant blooms for cutting and garden decoration.

GIANT SPENCER SWEET PEAS

The best type of all Sweet Peas with giant, ruffled flowers in a bewildering range of colors unequalled in exquisite beauty and fragrance.

Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50

SEEDS OF ORNAMENTAL FOLIAGE PLANTS

FOR SUMMER BEDDING, BORDERS AND POT CULTURE

ACANTHUS

Latifolius. A tall, herbaceous perennial of beautiful Pkt. and stately habit, grown for its rich tropical leafage. Handsome and effective, whether grown as a center for foliage beds or as a specimen plant for lawns and borders. \$0 10

AMARANTHUS

Tall-growing plants; showy leaves, variegated with shades of red, yellow and green; long racemes of flowers. Annual.

Caudatus. Love-lies-bleeding. Blood-red flowers on plants Pkt. 3 feet tall. \$0 10

Cruentus. The well-known Prince's Feather. 10

Henderi. Ornamental foliage. 10

Tricolor. Joseph's Coat. Leaves are a mosaic of color. 10

CENTAUREA • Dusty Miller

Silver-leaved plant, indispensable for ribbon beds and borders, the soft, natural tints of grayish green being very effectual in harmonizing contrasts in more brilliant leaves. Annual.

Candidissima. Leaves broader and whiter than in any Pkt. other silver-leaved sort. \$0 10

Gymnocarpa. Very graceful variety. 10

CINERARIA

Maritima. Another fine silver-leaved plant. Leaves are silvery white; flowers yellow. 10

COLEUS

The leaves are of many shapes and bright colors, and nearly all varieties have a rich, velvety appearance. Seed sown in March or April will produce fine plants for bedding. Pkt. 15 cts.

SEEDS OF HARDY PERENNIALS

MANY PERENNIALS BLOOM THE FIRST SEASON IF SOWN EARLY

ACONITUM • Monkshood

Napellus grandiflorum. Curious, helmet-shaped blooms, Pkt. quite pretty and striking, produced on tall racemes above the finely cut foliage. Very prodigal of its large, bright blue flowers from midsummer until late in autumn. \$0 15

ADONIS

Vernalis. A bright, early spring plant, with large, showy flowers of sunshiny yellow. 10

AGROSTEMMA

Coronaria. Rose Campion. Exceedingly pretty and graceful flowers in red, violet, white, and variegated. Mixed. 10

ALYSSUM

Saxatile compactum. Low-growing, with light green, silky foliage; golden yellow flowers. For shaded places. 10

ANEMONE • Windflower

Fine Mixed. Old favorites, and among our earliest spring flowers. Various shades of scarlet, purple, blue and white, sometimes striped. 15

ANTIRRHINUM • Snapdragons

Bloom the first year if sown early, and may be very bright and showy bedding plants. The dwarf sorts grow only 6 to 8 inches tall; other species from 2 to 3 feet high.

Maximum, Apple Blossom, delicate pink, white throat; Pkt. Canary Bird, delicate yellow; **Cerberus**, dark purple with white; **Maralda**, coppery carmine; **Old Gold**, golden orange; **Rose**, pure rose; **Snowflake**, lovely pure white; Mixed Colors. Each, \$0 25

Tom Thumb, Mixed. All colors; fine for bedding. 10

ARABIS

Alpina. Rock Cress. Pure white flowers borne on erect spikes; blooms very early. 9 in. $\frac{1}{4}$ oz. 25 cts. 10

EUPHORBIA

Heterophylla. Painted Leaf. Glossy green leaves, forming Pkt. large bracts on the ends of the branches, changing in mid-summer to brilliant scarlet. Annual. \$0 10

Variegata. Snow-on-the-Mountain. Of robust growth, with fine green leaves, striped with white. Annual. 10

PERILLA

Nankinensis. A beautiful half-hardy annual plant. Leaves rich, dark purple, fringed. Contrasts with silver-leaved foliage plants. Annual. 10

PYRETHRUM

Aureum. Golden Feather. A hardy annual with golden yellow finely cut foliage, producing rich, soft effects in bedding. Hardy Annual. 10

RICINUS • Castor-Oil Bean

Plants of stately growth; fine fruits and leaves. Annual.

Bourboniensis arboreus. Grows 15 feet high; leaves enormous. Oz. 30 cts. 10

Cambogensis. Red-black stems; very dark leaves; very distinct. Oz. 25 cts. 10

Gibsoni. Duchess of Edinburgh. Dark purple leaves and stems. Oz. 25 cts. 10

Zanzibarensis. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. Mixed. Oz. 30 cts. 10

ASPERULA

Odorata. Sweet Woodruff. Free-flowering plants which thrive well in shaded places. Flowers white, sweet-scented. 1 ft. $\frac{1}{2}$ oz. 30 cts. 10

AQUILEGIA • Columbine

Very handsome and free-blooming plants, bearing curiously shaped flowers in many bright and delicate colors. They grow about 2 feet tall, and display their flowers well against a mass of light and pretty foliage.

Chrysanth. Golden-spurred Columbine. New and much Pkt. admired; flowers large and bright golden yellow. $\frac{1}{2}$ oz. 50 cts. \$0 10

Chrysanthia grandiflora alba. Large, snow-white flowers with long spurs. $\frac{1}{2}$ oz. 50 cts. 10

Vulgaris fl.-pl. These will give an abundance of odd and very pretty double flowers in many colors. Mixed. $\frac{1}{2}$ oz. 30 cts. 10

Double Yellow, Striped, Blue, White. $\frac{1}{2}$ oz. 50 cts. 10



Golden-spurred Columbine



Double English Daisy

BELLIS PERENNIS • Double English Daisy

This dainty little flower is a favorite everywhere. It is of easy culture, and grows well in all soils, if given a rather moist, shaded situation. Flowering plants grow readily from seed sown in the border in early spring, or in boxes in the house. They seldom exceed 6 inches in height, and bloom from spring until mid-summer; in some localities sparingly in autumn. An exquisite plant for shady borders and for edgings to beds, or for window-boxes in a cool room where in winter flowers are sent up thickly, forming rainbows of pink and white.

Flore-pleno. Flowers double. Mixed colors. $\frac{1}{8}$ oz. 50 cts. \$0 10

Longfellow. The bright rose-colored flowers are very large and double, and borne on long, stiff flower-stalks. An exquisite flower for cutting.

Snowball. A pure white variety with very large, perfect flowers on long stems.

DIANTHUS • Pinks

Barbatus. *Sweet William.* Attractive, profuse-blooming Pkt. garden plants. The flowers have a quaint perfume.

Barbatus, Single, Mixed. All the best colors. \$0 10

Barbatus, Double, Mixed. Seed from fine double flowers of many colors.

Double Hardy Garden or Grass Pink. This species is in perfection about the first of June. $\frac{1}{8}$ oz. 30 cts. 10

Plumarius. *Double Pheasant's Eye Pink.* Double, fragrant, fringed flowers, white, crimson, or purple. $\frac{1}{8}$ oz. 40 cts. 10

GAILLARDIA

Aristata (grandiflora). Splendid new perennial variety, with very large, handsome flowers, having dark crimson centers marked with rings of many brilliant colors. 10

GYPSOPHILA • Baby's Breath

Paniculata. A dainty, mist-like plant, with sprays of small, white, star-shaped flowers and delicate foliage. 10

HOLLYHOCKS

Chater's Superb Strain

This stately, handsome, old-fashioned plant has been greatly improved of late years, and its tall spikes of double silken flowers are magnificent when grown either in clumps or lines.

Separate Colors. Pure White, Scarlet, Golden Yellow, Peach, Pink, each, $\frac{1}{8}$ oz. 30 cts., pkt. 15 cts.; the 5 varieties for 60 cts.

IBERIS • Candytuft

Sempervirens. White blossoms in May. Height 9 in. \$0 15

LAVANDULA

Vera. *Lavender.* Grown for its leaves and flowers, which retain their fragrance when cut and dried. 10

LOBELIA

Cardinalis. *Cardinal Flower.* Long spikes of intense scarlet flowers. One of the most brilliant plants in cultivation. Suitable for all situations. 20

LUPINUS • Lupine

Polyphyllus. New Hybrids. A wonderful art-shade mixture.

LYCHNIS • Jerusalem Cross

Haageana hybrida. Handsome plants of easy culture for massing in beds or borders. Will bloom first year if sown early. Height 1½ ft. Mixed colors. 15

MYOSOTIS • Forget-me-not

Thrives best in moist, shaded places, forming neat, compact, little plants, with graceful sprays of starry flowers.

Palustris. *True Forget-me-not.* Flowers bright blue, with a Pkt. large golden yellow eye. $\frac{1}{8}$ oz. 75 cts. \$0 10

Rosea. Rose-colored variety of the Victoria. $\frac{1}{8}$ oz. 40 cts. 10

Victoria. A dwarf variety, which forms shapely, rounded plants, and is well adapted to pot culture, although it loves the hardy garden quite as well. Its sky-blue flowers are borne in thick clusters, the center ones being double.

.... $\frac{1}{8}$ oz. 40 cts. 10

PAPAVER

Nudicaule. *Iceland Poppy.* Hardy perennial. Will blossom the first year if planted early. Of graceful habit, coming in a variety of colors. Single or Double Mixed.

Orientalis. Large, brilliant flowers. The loose, silken petals have a blotch of black at the base. The plants are about 2 feet high. Scarlet and Mixed. $\frac{1}{8}$ oz. 35 cts. 15

PENTSTEMON

Barbatus. *Beard Tongue.* The plants are herbaceous, and bear graceful spikes of bloom, from early summer until frost. The flowers are white, blue, scarlet, crimson, yellow, etc. Mixed.

CORTADERIA

Argentea. *Pampas Grass.* The silvery plumes are very light and graceful in effect, and are much used for all sorts of indoor decoration. For clumps upon lawns, the plant is elegant and striking, and usually grows from 6 to 8 feet high. Requires winter protection. 10

DELPHINIUM

Indispensable to the hardy garden, because of their long, graceful spikes of bright blue flowers.

Elatum Belladonna Hybrids. Lovely blue shades. $\frac{1}{8}$ oz. 50 cts. 10

Formosum. Rich blue flowers, with white centers. $\frac{1}{8}$ oz. 50 cts. 10

Nudicaule. Scarlet; interior peach-red. $\frac{1}{8}$ oz. 50 cts. 10

Zalil. Long yellow spikes; very rare. 50

DIGITALIS • Foxglove

A stately, handsome plant, from 3 to 4 feet high. Its fine waxen flowers droop gracefully from long spikes, upon which they are set thickly. Among shrubbery, or as a background for lower plants, it gives great satisfaction. Colors: White, Pink, Purple, and Mixed, each, pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

PHLOX

Decussata. Perennial *Phlox*. Fine clumps of these plants Pkt. form magnificent lawn and garden ornaments, and nearly all bright colors are represented in the large and hand-some flower-heads.....\$0 15

Drummondii. See Annuals.

PRIMULA • Primrose

Cowslips, or Hardy Primroses, are favorite early spring flowers with clusters of bright blossoms in different shades of red and yellow. The clumps increase rapidly.

Auricula. Mixed seed of best varieties.....\$0 25

Japonica. Mixed colors.....10

Vulgaris. The true, fragrant yellow Primrose.....15

PYRETHRUM

Hybridum, Single Mixed. Bearing large daisy-like flowers. Blooms in May and June, and again, in the fall, and is one of the most graceful and long-lasting cut-flowers....
½oz. 40 cts... 15

SEEDS FOR GREENHOUSE

BEGONIAS

Begonias are now grown in such large quantities, both for summer bedding and winter flowers, that many people prefer sowing the seed to buying the plants. We offer species especially adapted for bedding and the window.

Vernon. Dark-leaved. Strong, dwarfish, branching plant Pkt. valuable for bedding. The coral-red flowers cover it thickly all summer long. Equally valuable for pot culture and winter decoration.....\$0 25

Tuberous-rooted. Fresh seed from fine plants; will give large flowers of various shapes and colors. The tubers must be lifted and stored in dry sand, in a dry, warm place in autumn. **Mixed, Double or Single**.....Each, 25

CALCEOLARIA

The curiously shaped and oddly marked flowers of these plants at once attract notice.

Grandiflora. Large-flowering, self-colored varieties. A Pkt. great diversity of colors. Mixed.....\$0 25

CINERARIA

Hybrida grandiflora. A distinct and showy window plant that blooms when its brilliant velvety flowers are most appreciated. Splendid, large-flowering mixture.....25

ORNAMENTAL CLIMBERS

AMPELOPSIS

Veitchi. Japan or Boston Ivy. A beautiful vine for covering walls and buildings, to which it adheres closely. The leaves color beautifully in autumn.....Oz. 50 cts...\$0 10

ARISTOLOCHIA • Dutchman's Pipe
One of the best-known hardy climbers, bearing curious pipe-shaped flowers of yellowish brown color. Large heart-shaped leaves; fine for shading verandas.

Elegans. Purple and white flowers. 30 ft.....\$0 10

Siphon. Yellowish brown flowers. 30 ft.....10

BALLOON VINE

Rapid grower; flowers white; seed-pods shaped like miniature balloons. 10 ft. Pkt. 10 cts.

CLEMATIS

Hybrida grandiflora. Fine for arbors and verandas. Pkt. Soak seeds 24 hours in warm water before sowing. Mixed...\$0 10

SILENE • Catchfly

Asteris grandiflora. Showy plants having carmine- Pkt. scarlet globular heads; should be in every garden. Height 1½ ft.....\$0 25

STATICE • Sea Lavender

Splendid for rockery or border. Flowers may be dried and used for winter bouquets. Height 2 ft. Fine Mixed. Pkt. 10 cts.

VIOLA

Odorata. Sweet-scented Violet. Well-known, delightfully Pkt. fragrant little flowers, which bloom most freely in early spring and fall. The seed should be sown early. Mixed...\$0 10

WALLFLOWERS • Cheiranthus

Exquisite perfume and rich, quaint, bright colors—usually brownish red, yellow and violet—should be in every garden. When grown in the open ground, the plants should be potted in autumn. Will bloom in winter if kept cool.

Double or Single Mixed.....\$0 15

CHOICE CARNATIONS

The Vienna and Grenadin species are excellent for open-air culture and bloom several weeks earlier than the other sorts.

Early-flowering Vienna. All colors. Choice mixed.....\$0 25

Early Grenadin. Bright scarlet flowers, 60 to 70 per cent of them double; very early-flowering.....25

Perpetual or Tree. Tall plants, continually in flower; 75 per cent of flowers are double. Choice mixed.....10

Double Self-Colors. Elegant, fragrant, fringed flowers of pure and beautiful colors.....10

GLOXINIA

Hybrida. The waxy flowers are large, bell-shaped, and richly colored, producing grand effects when different sorts are grouped together. Choice mixed.....25

PRIMULA • Chinese Primrose

These plants are easily grown from seed and are noted for their rich, profuse, and prolonged display of flowers in winter. Full directions for culture are given on our packets.

Sinensis fimbriata. Very large flowers; delicately fringed. Pkt. **Crimson and Mixed**.....\$0 25

CENTROSEMA

Grandiflora. Large, pea-shaped flowers, produced in Pkt. clusters; rosy violet, with broad, feathered markings of white. Foliage abundant and graceful. A hardy perennial, climbing 6 to 8 feet in a season, free blooming.....\$0 10

COBÆA

Scandens. A tender annual of very rapid and luxuriant climbing habit. The deep violet-blue flowers are large and bell-shaped, averaging 2 inches in length and 1½ inches across.....½oz. 25 cts... 10

DOLICHOS

Lablab. *Hyacinth Bean.* Noted for its large clusters of snowy white or purple flowers. It grows rapidly and makes a fine screen of thick foliage. A tender perennial. Oz. 25 cts... 10

ECHINOCYSTIS

lobata. *Wild Cucumber.* Quickest growing vines; fine for covering waste places and stone walls. 20 ft.....10

GOURDS, ORNAMENTAL

Quick-growing tender annual vines, desirable for covering arbors, walls, etc., and producing useful and ornamental fruit in great variety of shapes and colors. 15 to 20 feet. Oz. 25 cts., pkt. 10 cts.

HUMULUS • Japanese Hop

Annual climbers of very rapid growth, with dense foliage. The leaves remain bright, fresh, and rich-looking until late in the fall.

Japonicus. Leaves plain green. Seed sown in early spring Pkt. produces plants which will cover a wide spread in a short time. Oz. 10 cts., pkt. 10 cts.

Japonicus variegatus. Leaves broadly edged with cream color and marked and shaded with silvery white and deep green; often a whole branch and its leaves will be pure white. It is very vigorous and hardy. 10

IPOMCEA • Morning-Glory

This popular climber is so widely grown that it does not require any further introduction.

Grandiflora. Moonflower. The large pure white flowers Pkt. of this plant open at night; produced in great abundance, and quite fragrant. Oz. 50 cts., \$0 10

Heavenly Blue. Foliage very large and heart-shaped; flowers 4 to 5 inches across, borne in large clusters; light blue, with yellow throats. $\frac{1}{4}$ oz. 30 cts. 10

Imperial. Japanese Morning-Glory. A great improvement over the old-fashioned sorts. Flowers are larger, fringed, some double, and appear in unlimited variety of colors. Foliage is very large and often variegated. 10 ft. Oz. 40 cts. 10

Leari. Flowers violet-blue; an elegant greenhouse species. $\frac{1}{4}$ oz. 50 cts. 10

Purpurea (*Convolvulus major*). Showy annual climber of easiest culture, in many brilliant colors. 25 feet. Oz. 20 cts. 10

Quamoclit. Cypress Vine. Delicately cut foliage and small, star-shaped flowers of scarlet or white. Mixed. Oz. 50 cts. 10

Setosa. Brazilian Morning-Glory. Beautiful rose-colored flowers and huge leaves; remarkably luxuriant in growth. Oz. 50 cts. 10

LATHYRUS

Latifolius. Everlasting Pea. Hardy perennial climber, growing 6 to 8 feet high when trained on a trellis. Flowers borne in large clusters. Red and White, mixed. Oz. 25 cts. 10

MAURANDIA

Graceful annual climber for window or conservatory; admirable to hang from vases and to cover stumps and low trellises; blooms very freely. Pkt. 10 cts.

SMILAX

Used extensively for inside decorations; climbing habit; fine for florists' use. 10 ft. Pkt. 10 cts.

THUNBERGIAS

These are among the best half-hardy annual climbers. Choice mixed colors. Pkt. 10 cts.

NASTURTIUMS • *Tropaeolum*

The gay and picturesque Nasturtiums are almost as popular among climbers as sweet peas. Their rapid and luxuriant growth quickly covers trellises, verandas, fences, or any unsightly object with a beautiful mass of oddly pretty leaves and brilliant flowers.

Lobbianum. Very superior for trellises, arbors, or vases; Pkt. flowers very brilliant and rich, borne profusely. Mixed colors. Oz. 25 cts. 10

Peregrinum. Canary Creeper. Graceful, winged flowers of pure light yellow. Oz. 25 cts. 10

Finest Mixed. Seeds saved from a choice collection of flowers, in many colors; will produce charming results if planted freely in ground that is not too rich. Oz. 15 cts. 10

SWEET PEAS

Fashion does not always display so much good taste in her choice of a "pet flower" as when giving the Sweet Pea that place. Already they have become so popular that seedsmen must handle their seeds by the ton, and they are grown galore in hedges, sold in great fragrant heaps from the markets, and worn and carried whenever and wherever possible. Every garden must have its hedge of Sweet Peas, and we are ready to supply you with the best of seed.

GRANDIFLORA VARIETIES

Black Knight. Deep maroon, veined black.

Blanche Ferry. Rose and white.

Dorothy Eckford. Large white.

Janet Scott. Bright pink and buff.

King Edward III. Bright red.

Lady Grisel Hamilton. Lavender.

Navy-Blue. Indigo-blue and violet.

Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50

Eckford Varieties, Mixed. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00

ORCHID-FLOWERED

Quite distinct from the standard sorts, having large, round, open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and wide-spreading wings, a large percentage bearing four of these blossoms to the stem, which is long and strong.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1

Asta Ohn. Pinkish lavender. | **Matchless.** Yellow.

Countess Spencer. Pure pink. | **Wedgwood.** Blue.

King Edward Spencer. Pure rcd. | **White Spencer.** Pure white, select strain.

GIANT SPENCER MIXTURE

Well-selected mixture containing only true Spencer types. We can recommend this as a superior mixture. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



Orchid-flowered Sweet Peas

DAHLIAS

These summer and autumn-flowering plants are more popular than ever. They should not be planted until the weather has become warm and settled in spring, and should be taken up before severe frosts in autumn. They require a sunny situation and rich soil to bring out their full beauty. One shoot only should be allowed to each root. Roots should be kept in a warm, dry place during winter.

We have three excellent collections, as follows:

No. 1, Grower's Mixture, 12 Roots for \$1.

No. 2, 12 Roots, all different, for \$2.

No. 3, 12 Roots, no two the same, for \$3.

For those who prefer to make their own selections, we can supply named varieties at attractive prices.

GLADIOLUS

Of summer-blooming plants for general garden decoration, the Gladiolus are deserving of special attention. Requiring but little room for growth, they are exceedingly useful for planting among shrubbery in the border, while for massing in large beds, where a brilliant and effective display is desired, they are invaluable. They succeed best in good loam, enriched with well-rotted manure. Bulbs should be planted about 3 inches deep and 6 inches apart.

Our mixtures are made up from fine varieties and are all selected, first-size bulbs and sure to give the best results.

If wanted by mail, add 10 cts. per doz. for postage.

America. One of the best Gladiolus in existence. The color is a most beautiful soft pink, very much like the Enchantress carnation. Individual flowers are very large and massive, and as a group or in vases there is no other flower which can excel it in effectiveness. 60 cts. per doz., \$3.50 per 100.

Baron Hulot (Blue King). Good-sized flower, well arranged on straight spikes; color dark violet bordering on blue. \$1 per doz., \$7.50 per 100.

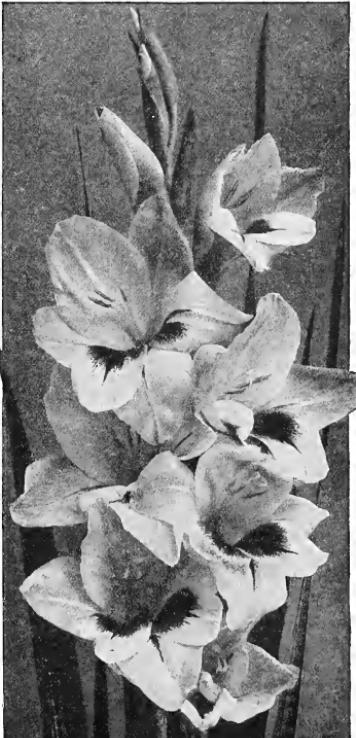
Evelyn Kirtland. Color pink—a very lovely, soft shade. Altogether one of the most popular varieties. \$1 per doz., \$7 per 100.

Halley. Delicate salmon-pink predominates with a slight rosy tinge; lower petals have a creamy blotch with a bright red stripe in center. 60 cts. per doz., \$4 per 100.

Herada. Blooms of immense size on tall straight spikes. The color is pure mauve, glistening and clear with deeper markings in throat. An unusual color and very effective as a cut-flower. 75 cts. per doz., \$5 per 100.

Lily White. A beautiful pure white, with lavender anthers; flowers very large, first class in every way. 75 cts. per doz., \$5 per 100.

Mrs. Dr. Norton. Very large flowers well set on a tall and graceful spike with four to eight flowers in bloom at one time. Color, white, with edges of petals suffused with soft La France pink; a very choice variety. \$1 per doz., \$7 per 100.



Gladiolus

Mrs. Frank Pendleton. The color is a delicately flushed salmon-pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich, maroon blotch on the three lower petals. 75 cts. per doz., \$5 per 100.

Mrs. Francis King. A new variety which excited great comment and admiration, both for size of flower and beauty; the color of the flower is a light scarlet; the flowers are very large, usually measuring from 3½ to 4 inches in diameter. 60 cts. per doz., \$4 per 100.

Schwaben. A most meritorious variety of wonderful vigor, with strong, erect spikes and large, well-expanded flowers of a clear canary-yellow with a small blotch of deep garnet in the throat. This may now be considered the best and freest growing yellow variety. 75 cts. per doz., \$5 per 100.

Peace. Beautiful large pure white, tinted with lilac. 75 cts. per doz., \$5 per 100.

W. E. B. Co.'s Special Mixture. \$4 per 100.

CANNA ROOTS

Charles Henderson. Flowers brilliant crimson, with yellow flame in throat. 3½ ft.

David Harum. Bronze foliage; flowers scarlet, dotted crimson. 3½ ft.

Florence Vaughan. Yellow, with bright red spots. 4½ ft.

Madam Crozy. Brilliant vermillion-scarlet, with golden edge. 3 ft.

Mont Blanc. The only genuine pure white Canna. 3 ft.

Shenandoah. Beautiful rosy pink, borne in large clusters. 3 ft.

Robusta. Scarlet flowers; bronze foliage. 8 ft.

All varieties: 15 cts. each, \$1.50 per doz.

BEGONIA, Tuberous-Rooted

For bedding and as pot-plants, these beautiful flowers are very desirable and popular. They bloom continuously all summer; flowers are very large, outrivalling those of the most brilliant geraniums. The flowers are circular, large, and of great substance; the colors are most beautiful, rich, and varied.

SINGLE-FLOWERING

Rose, Scarlet, White, Yellow, and Orange. 20 cts. each, \$2 per doz.

Finest Mixed. From above sorts. 20 cts. each, \$2 per doz.

DOUBLE-FLOWERING

Red, Rose, White, and Yellow. 20 cts. each, \$2 per doz.

Finest Mixed. From above sorts. 20 cts. each, \$2 per doz.

TUBEROSES

One of the most delightfully fragrant flowers. Invaluable for bouquets, buttonholes, and wherever cut-flowers are in demand. Before potting the bulbs remove the small offsets.

Excelsior, Double Pearl. A superior strain with very large white flowers, produced in great abundance. 60 cts. per doz., \$4 per 100.

SPRAYING CALENDAR

This Calendar, based upon the recommendations of the Agricultural Colleges and Experiment Stations of the country, is a brief guide for the general treatment of insect pests and plant diseases.

Timeliness is one of the greatest factors in the control of diseases and pests; in order to spray intelligently, that is, to strike at the proper time, one should know at least the main facts in the life-history of the insect or disease sprayed against. Moreover, it will pay to remember that, for nearly all fungous diseases and some insects, spraying is a preventive, and to be most effective must be done at the time when attacks may be expected, without waiting for the enemy to become apparent.

Spray only on clear, sunny days and finish the work early in the afternoon, so that the application will dry rapidly and before dew falls. Spray evenly and thoroughly, using ample pressure and a nozzle that throws a fine mist, but do not continue until the foliage drips. Never spray when the trees are in blossom.

IN GENERAL TERMS

POISONS, such as Arsenate of Lead, are used to control leaf-eating insects. Examples:—Canker Worm, Potato Beetle.

CONTACT INSECTICIDES, such as Tobacco Extracts, Soap Sprays, etc., are used in fighting sucking insects. Examples:—Plant Lice, Squash Stink-bug. Sucking insects will not be killed unless they are hit by the spray.

Bordeaux Mixture and Lime-Sulphur are for use against plant DISEASES.

PLANT	ENEMY	SPRAY	FIRST APPLICATION	SECOND APPLICATION	THIRD APPLICATION
APPLE	Aphis	Black Leaf 40 in conjunction with Arsenate of Lead.	When buds show pink.	In conjunction with spray for seab.	
	Bud Moth	Arsenate of Lead and Bordeaux.	Just before blossoms open.	Immediately after petals fall.	10 days later.
	Coddling Moth	Dry Lime-Sulphur 1-50 after apples have set.			
	Scab	Lime-Sulphur or Secalecide as dormant spray.	Autumn after leaves have fallen, or	Early Spring before leaf buds swell.	If badly infested, make both applications.
CABBAGE CAULIFLOWER	Green Worms	Arsenate of Lead, if plants are not heading.	If heading, apply Hellebore.		
CARNATION	Red Spider Rust	Clear Water. Semesan.		Sprinkle off the plants 3 times a week, being careful not to drench the beds. In the greenhouse once in 2 weeks. In the field once a week.	
CUCUMBER MELON SQUASH	Wilt Mildew Striped Beetle Borer	Bordeaux.	Middle of July.	10 days later.	
		Heavy application of Tobacco Dust. Bordeaux.		Keep the vines well sprayed to make them distasteful to the beetles.	
		As soon as stems are long enough cover the joints with earth so that secondary roots will develop.			
CURRENT GOOSEBERRY	Currant Worm Mildew	Arsenate of Lead and Bordeaux. Bordeaux.	As soon as worms appear.	Use Hellebore after fruit is half grown.	
GRAPE	Rose Chafer Flea-beetle Mildew		Before leaf buds open.	After blossoming.	
		Arsenate of Lead. Bordeaux.	Ansect when pest appears.	Repeat if necessary.	
			Before blossoms open.		
PEACH AND APRICOT	Peach Leaf-curl Peach-Sulphur or Bordeaux. Curelio Scab and Brown Rot	(See under Apple). Lime-Sulphur or Bordeaux. Arsenate of Lead. Dry Lime-Sulphur 1-50.	Dormant season before buds swell.	One month after petals fall.	
			When shucks are shedding from the young fruit.	One month before fruit ripens.	
			One month after petals fall.		
PEAR	Psylla Codling moth Scab Scab	Black Leaf 40. Lime-Sulphur or Secalecide as delayed dormant spray. (See under Apple).	After blossoms fall.	5 to 7 days later.	
PLUM	Curelio Fungous diseases	Arsenate of lead. (See under Peach).	Just after blossoms fall.	1 week later.	
POTATO	Scab Beetles Blight or Rot Aphis	Dip in solution of Semesan Arsenate of Lead and Bordeaux. Black Leaf 40 as contact spray.	Bel.	2 weeks later.	Repeat every 2 or 3 weeks; omitting arsenate of lead if beetles are not in evidence. Wet spells following by hot weather are favorable to development of rot and blight.
RASPBERRY BLACKBERRY DEWBERRY	Anthraenoze Red Rust	Bordeaux.	When new canes are 6 inches high.	2 weeks later.	2 weeks later.
		Dig up and burn all infected plants.			
ROSE	Rose-chafer Black spot Mildew	Ansect. Funtrogen. Funtrogen.	When beetles appear. As soon as spots appear.	Repeat when necessary. Repeat when necessary.	
			Dust every 10 days if necessary.		
STRAWBERRY	Leaf spot or rust	Bordeaux.	3 or 4 times during the season.		

For Plant Lice (Aphids) use Tobacco Extracts or Soap Sprays on all Plants

INSECTICIDES AND FUNGICIDES

ANSECT. A highly concentrated insecticide, which should always be diluted before use. For rose-bugs, beetles, curculio, and hard-bodied insects, use 1 part Ansect with 30 parts water. It is always better to spray during the hot part of sunny days. Be sure to spray all parts of the plant, on both upper and under side. 4 ozs. 30 cts., pt. \$1.

ANTROL. The latest method of combating ants. A complete control system consisting of special patented glass containers and Antrol syrup, U. S. Government formula. Cottage set contains nine receptacles and 6 ounces of syrup. Price per set, \$1.90; extra pinte bottles of syrup, \$1.

APHISTROGEN. Makes a complete spray for aphis (plant-lice) and most sucking insects; prepared especially for roses and other plants. 4 ozs. 75 cts., $\frac{1}{2}$ lb. \$1.25, 2 lbs. \$3.50.

BLACK-LEAF 40 (Sulphate of Nicotine). Highly recommended by spraying experts for destroying aphis, thrips, etc., without injury to foliage. Perfectly soluble in water; no clogging of nozzles. Oz. 35 cts., $\frac{1}{2}$ lb. \$1.25, 2 lbs. \$3.25, 10 lbs. \$1.85.

BORDEAUX MIXTURE, LIQUID. Effective in preventing and checking all fungous diseases, such as potato rot, potato blight, rust, mildew and diseases of grapes. Qt. 50 cts., gal. \$1.50.

BUG DEATH. A non-poisonous powder, sure death to potato, squash, and cucumber bugs, currant and tomato worms. Safe to handle. Applied dry or in water. This insecticide and plant-food combined has been on the market for twenty-five years. Lb. 20c., 3 lbs. 50c., 5 lbs. 75c., $1\frac{1}{2}$ lbs. \$1.50, 100 lbs. \$9.

CROW-REPELLENT. A non-poisonous oil for protecting newly planted corn from crows and blackbirds. Don't kill the crows—they are valuable bug destroyers. Corn treated with this oil will run through a seeder better than when treated with tar. \$1 and \$1.50.

CUTWORM FOOD. Easy to apply; will not injure the plants, and will destroy the cutworm. Lb. 40 cts., 5 lbs. \$1.75.

CYANOGAS. Valuable for greenhouse fumigation, for destroying aphis, white fly, thrips, etc. Scatter along walks and close the house for the night. Lb. 75 cts., 5 lbs. \$2.50.

DOLGE, WEED KILLER. A clean, concentrated, super-strength liquid chemical, which sinks into the ground, destroying the tops and roots of all existing growth. Qt. 60 cts., gal. \$1.75, 5 gals. \$6.75.

FISH- or WHALE-OIL SOAP. A very effective, simple, and cheap preparation for the preservation of trees, shrubs, plants, vines, rose bushes, and garden plants in general from the ravages of insects. Lb. 30 cts., 5 lbs. \$1.40.

"43 FOR THE TREE." Apply to wounds of any nature after proper preparation. Every ingredient in it is beneficial to the tree. It contains those acids that destroy fungi and insects but are non-injurious to the tree. Sold in cans: Lb. 65 cts., 5 lbs. \$2.95, 10 lbs. \$5.75, 50 lbs. \$23, 100 lbs. \$38.

GRAPE DUST. For destroying mildew on grape-vines and trees affected with mold, mildew, or rust-mites. 5 lbs. 75 cts.

HELLOBORE, White Powdered. An excellent protection from currant worms, grape slugs, etc. May be applied by dusting on with a bellows, or as a liquid, mixed at the rate of 1 pound to 30 gallons of water. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts.

KAYSO. The combined casein spreader and adhesive which makes orchard and garden spraying more economical and more efficient. Kayso is now used by fruit and vegetable growers in all parts of the United States. 2 lbs. 50 cts., 10 lbs. \$2.30.

LEMON OIL. An effective insecticide for cleaning plants of lice, scale, mealy-bug, spider, thrips, black- and green-fly, mites, ants, and mildew. Full directions on package. $\frac{1}{2}$ pt. 35 cts., pt. 60 cts., qt. \$1.

LIME-SULPHUR, Concentrated Solution. Convenient to use, free from sediment, requires no preparation, other than stirring into water. One of the best remedies for San José Scale. Gal. \$1, 5 gals. \$2.35, bbl. \$12.

NICO-FUME, Liquid. An effective vaporizing liquid. $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

NICO-FUME, Paper. A nicotine preparation. Furnishes easiest method of fumigation. Box of 24 sheets, \$1.25; 144 sheets, \$5.50.

PARIS GREEN. One of the oldest insecticides, very effectual in ridding potatoes of the potato beetle. Add 1 pound to 50 gallons of water. $\frac{1}{2}$ lb. 20 cts., lb. 45 cts.

PYROX, BOWKER'S. Pyrox is a powerful fungicide, also kills chewing insects. It is a strong poison insecticide combined with the copper fungicide. Pyrox is easy to use—just mix with water, and spray. It sticks to the foliage and gives lasting protection. It is a creamy paste, smooth and fine that it goes through the finest nozzle without clogging. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3, 25 lbs. \$6.25, 50 lbs. \$10.75, 100 lbs. \$15.50.

RAX. It is estimated that rats and mice consume grain each year in the United States alone to the value of more than \$10,000,000. Most of this waste can be saved if Rax is given a chance. 75 cts.



SCALECIDE. Sure death to the San José scale. A soluble petroleum spray for use in orchards. It is economical, effective and acts as a fungicide. Qt. 75 cts., gal. \$1.75, 5 gals. \$6.25, 15 gals. \$13.50, 50 gals. \$38.

SLUG SHOT. A light, composite, fine powder, easily distributed either by duster bellows, or in water by spraying. Thoroughly reliable in killing currant worms, potato bugs, cabbage worms, lice, slugs, sow bugs, etc. Also strongly impregnated with fungicides. 1 lb. carton, perforated top. Lb. 20 cts., 5 lbs. 65 cts.

SNAROL. The most satisfactory material ever used for the control of cutworms, snails, slugs, etc. Non-injurious to vegetation and very economical because of its insolubility in water, thereby rendering it effective for one to three weeks under ordinary conditions. Lb. 50 cts., 3 lbs. \$1, 15 lbs. \$3.75.

SULFOCID. A powerful fungicide for summer spraying. When sprayed, it quickly decomposes leaving a film of extremely fine sulphur. This sulphur is so fine as to be almost invisible except where drops accumulate. It is actually precipitated on the leaf as true colloidal sulphur, which is sulphur in its strongest fungicidal form. Qt. \$1, gal. \$2.75, 5 gals. \$8.75, 10 gals. \$15, 50 gals. \$60.

SULPHUR-DUST. Used on grapes as a fungicide. Lb. 10 cts., 100 lbs. \$4.50.

SEMANOCO SPRAY OIL. An ever-ready, self-emulsifying, permanent spray material, for dormant and summer use. Ask for booklet of spray schedules and detailed information. Gal. \$1.25, 5 gals. \$5, 15 gals. \$10.50, 30 gals. \$18, 50 gals. \$25.

TEROCEN. A ground-dressing, fungicide, insecticide, and fertilizer for roses. To be applied in the fall for best results. Lb. 75 cts., 2 lbs. \$1.25, 5 lbs. \$2.75, 10 lbs. \$4.75.

TREE TANGLEFOOT. A perfect safeguard for trees against gypsy, brown-tail and tussock moths, canker worms, ants and all creeping things. It will remain sticky three months, fully exposed to the weather. Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25.

TOBACCO DUST. If dusted on while the foliage is moist, it destroys rose lice, cabbage and turnip flies, etc. Spread upon the ground, it keeps off all earth insects, and is an excellent fertilizer. Lb. 20 cts., 100-lb. bag. \$5.

TOBACCO STEMS. For fumigating plants infested with green-fly, etc. Bale \$3.

SHERWIN-WILLIAMS**INSECTICIDES AND FUNGICIDES**

We have found Sherwin-Williams Spraying Materials to give best results for the particular requirements of this section. Our customers' experiences back this endorsement, too. Come in and get your copy of the useful, authoritative "Spraying Guide." It tells you when and how to spray. It is but one of the "extra" services of "Spraying Headquarters."

**DRY LIME-SULPHUR**

A standard Lime-Sulphur Solution in dry, powdered form. Has all the advantages of liquid Lime-Sulphur with none of the disadvantages. The first and original dry product. Its endorsement by various experiment stations is the result of its effectiveness under test and in its successful use by many of the largest fruit-growers in the country. Lb. 25 cts., 5 lbs. \$1.15, 25 lbs. \$4.25, 50 lbs. \$7, 100 lbs. \$13.

DRY ARSENATE OF LEAD

The most widely used Arsenate of Lead on the market. It is unusually light, thus staying thoroughly in suspension during spraying operations and giving uniform strength. Has maximum killing power, quick action, and unquestionable effectiveness in controlling leaf-eating and chewing insects without danger of burning the foliage. Lb. 30 cts., 4 lbs. \$1, 100 lbs. \$20.

FUNGI-BORDO

A true Bordeaux Mixture in dry, powdered form, requiring only to be mixed with cold water to give the standard Bordeaux Mixture spray. Wide use of this material in this locality has proven this dry product to be



popular and all that is claimed for it. Lb. 30 cts., 4 lbs. \$1.10, 100 lbs. \$20.

PESTROY

A combination of Bordeaux Mixture and Arsenate of Lead in dry form. Saves time, trouble, and muss. Highly recommended for fruit trees, gardens, and potatoes. Lb. 35 cts., 4 lbs. \$1.10, 100 lbs. \$20.

**Controls "DAMPING-OFF" and Seed-Borne Diseases of**

Grain, Field and Forage Crops, Vegetables, Corn, Potatoes and Flowers

Better Flowers and Finer Vegetables Grown from Seeds Disinfected Against Disease with Semesan

The SEMESAN Disinfectants have revolutionized seed-disease treatment and represent the most remarkable advancement of the century in scientific agriculture.

SEMESAN. The only chemical that can be applied in either the liquid or convenient dust forms to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, bulbs, and seed pieces. Semesan controls diseases such as "Damping-Off," "Brown Patch," and "Crown Gall," and is just as effective for flower and nursery seeds or plants as for disinfecting field, forage, grain, and vegetable seeds. Ask for Vegetable, Flower, Nursery, "Damping-Off," and "Brown Patch" booklets.

SEMESAN JR. This material is easily applied to sweet and field seed corn by the convenient dusting method and disinfects thoroughly against diseases such as the ear, stalk, and root rots, thereby increasing not only the germination but also the final crop yield by 20 to over 40 per cent. Write for Semesan Jr. booklet.

SEMESAN BEL. This is the new instantaneous dip treatment for both white and sweet potatoes that is fast replacing all formerly practised methods of seed potato disinfection and is equally useful for controlling diseases of similar roots and tubers of other vegetables and flowers. Ask for Semesan Bel booklet.

Prices for Du Pont Semesan		Prices for Jr. and Bel	
2 ozs.	\$0 50	1 lb.	\$1 75
8 ozs.	1 00	5 lbs.	8 00
1 lb.	75	25 lbs.	35 50
5 lbs.	13 00	50 lbs.	72 50
25 lbs.	62 50	100 lbs.	140 00
50 lbs.	122 50	350 lbs.	472 50
100 lbs.	240 00	(Semesan Jr. also in 4-oz. tins at	
350 lbs.	822 50	60 cts. each.)	

Niagara Dust and Spray Materials

KOLODUST. A new sulphur dust that you can see stick through wind and rain. Extreme fineness of particles together with high toxic properties make Kolodust the superior fungicidal sulphur dust. Used for control of apple scab, brown rot and many other fungous diseases.

100-lb. bag \$5 00 | 25 lbs. \$2 00
50 lbs. 3 00 |

KOLOTEX. Same type of sulphur as Kolodust but combined with poison for control of chewing insects as well as diseases. Used in applications where poison is necessary. See booklet "When and How to Dust."

100-lb. bag \$7 85 | 25 lbs. \$2 70
50 lbs. 4 50 |

D-6 MIXTURE. The superior copper fungicide dust used for control of potato blight and various other fungous diseases on vegetables. Apply at the rate of 25-35 pounds per acre on potatoes. May be mixed with water to make a bordeaux spray.

100-lb. drum \$7 60 | 25 lbs. \$2 65
50 lbs. 4 30 |

D-18 MIXTURE. A combined copper fungicide and insecticide dust for control of potato beetle and other leaf chewing insects as well as disease. Apply at the rate of 25 to 35 pounds per acre. May be mixed with water for spraying purposes.

100-lb. drum \$10 35 | 25 lbs. \$3 35
50 lbs. 5 70 |

NIAGARA DRY MIX. The ideal summer spray for peaches, plums, etc., for control of apple scab, brown rot and other diseases. Will not burn when used at the rate of 8 pounds to 50 gallons of water. Mixes readily and stays in suspension.

100-lb. bag \$5 75 | 25 lbs. \$2 20
50 lbs. 3 40 |

NIAGARA SOLUBLE SULPHUR COMPOUND. The complete dormant spray. Destroys scale, controls peach leaf curl, kills aphids eggs in the cracked egg stage. Comes in dry form and dissolves readily in water. Solution has a soapy feeling. Dissolve 10 pounds in 50 gallons of water. It is also soluble in miscible oils where it is used at the rate of 3 to 4 pounds to 50 gallons of solution.

100-lb. drum \$7 50 | 25 lbs. \$2 65
50 lbs. 4 25 |



Will Make Your Plants Grow to Perfection

THE real secret in making plants grow to perfection lies in preparing a rich, fertile soil. Plants require a generous supply of plant-food and a loose, mellow soil to develop their real beauty. So, if you want a beautiful lawn and garden or big profitable crops, be sure to make your soil rich and fertile.

Wizard Sheep Manure is a highly concentrated, weedless, pure manure that makes all plants grow to perfection. It is not a stimulant but is a real soil-building plant-food, safe and dependable for every use. It supplies the necessary plant-food and humus to put new life into wornout soils. Wizard is economical—**one bag equals a whole wagon-load of stable manure**: It has a lasting, beneficial effect on the soil. Everybody—amateur or professional, can get wonderful results with Wizard.

Lawns. Wizard Sheep Manure produces thick, velvety green lawns of lasting beauty. Make an application early in spring and, if possible, again in fall, and you will be surprised at the new beauty it will develop. On new lawns, broadcast 10 pounds to 100 square feet and rake into the surface soil. To renew old lawns, rake well and broadcast 6 to 10 pounds per 100 square feet. Avoid weeds and rubbish by using Wizard.

Flower-Gardens. Luxuriant green foliage and a wealth of vivid colored flowers will result if you feed your plants with Wizard. In making new plantings, be sure the soil under the roots is made rich and fertile. Light applications during the growing season will put new life into your plants and prolong the blooming period. A handful mixed well with the soil under each new plant will insure strong, rugged growth. Broadcast 10 pounds to 100 square feet of garden soil.

Vegetables and Fruit. If you want a big crop of crisp tender vegetables, be sure to use Wizard. Every practical gardener knows that there is nothing better than manure to grow big crops of vegetables. Fruit crops respond quickly to this natural plant-food. It improves the yield, color, and flavor.

Florists. Wizard Sheep Manure has been the florists' standard of quality for twenty years. For feeding and liquid manuring it is unexcelled. Safe and dependable for all crops grown under glass or in the field. You need manure to grow plants at a profit and it pays to use Wizard.

PRICES

5 lbs. 40 cts., 10 lbs. 75 cts., 25 lbs. \$1.25, 50 lbs. \$1.75,
100 lbs. \$3

*Don't Waste Your Time and Money by Planting in Hard, Wornout Soils.
Insure Success by Using Wizard*

BEST FOR LAWNS, GARDENS, FRUITS, AND VEGETABLES

WIZARD TRADE BRAND MARK **Sheep Manure**



Grown by the use of Darling's Potato Fertilizers

DARLING'S FERTILIZERS

Darling's Animal Fertilizer

Our Animal Brand is a complete fertilizer for all crops, having a strong analysis of plant-food. No mistake can be made in using this brand. Complete and well balanced, the above Fertilizer may be depended on to raise any crop on which it is used. 100-lb. bag \$3.

Potato and Root-Crop Manure

This Manure is well established with potato-growers, and for all root crops is considered one of the best-balanced fertilizers ever sold. Being composed of the very best materials, it will carry your crop to maturity without becoming exhausted. 100-lb. bag \$3.50.

Farm Favorite

The highest-grade low-priced fertilizer on the market, and for all crops above ground will give good results. 100-lb. bag \$2.50.

Darling's Pure Fine Bone

Contains from 20 to 25 per cent of pure phosphoric acid, and 3 to 4 per cent ammonia. Is the very best material from which phosphoric acid can be obtained. 10 lbs. 60 cts., 25 lbs. \$1.25, 100 lbs. \$4.

Darling's Lawn Dressing

There is a call at the present time for a commercial fertilizer to be used on the lawn. Stale manure is objectionable, as it is bulky, containing a large amount of refuse material. It also contains the seeds of many weeds and obnoxious grasses that are difficult to root out when once they have gained a foothold. By the use of this fertilizer, all these objections are removed. Will produce an excellent growth of rich green grass. 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.

ACID PHOSPHATE

Guaranteed 16 Per Cent Available Phosphoric Acid

Acid Phosphate is recommended for all grain and grass crops, cowpeas, soy or soia beans, and for applying to lands deficient in phosphoric acid. Beneficial results follow the addition of Acid Phosphate to stable and barnyard manure, all manure being deficient in phosphoric acid but high in ammonia, the mixture giving a better balanced plant-food. 100-lb. bag \$2.

NITRATE OF SODA

The most readily available form in which nitrogen can be had. Largely used for forcing vegetables, strawberries, etc., for applying to grass fields after each cutting, producing a strong, healthy growth and wonderfully increasing the yield. 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.30.

MURIATE OF POTASH

A popular form of the essential potash salts. It produces a very beneficial effect when applied to hay or pasture fields at the rate of 100 to 150 pounds to the acre. All root crops, potatoes, beets, turnips, and the like require a large proportion of potash in order to develop properly. 100 lbs. \$3.80.

SULPHATE OF AMMONIA

The most highly concentrated form in which this very important plant-food element is obtainable. It should therefore be used with caution and preferably mixed with other fertilizers, using not over 125 pounds of the Sulphate to the acre. 100 lbs. \$4.30.

LAND LIME

This is shipped in the form of a fine white powder, and in 50- and 100-lb. bags. It is most convenient in this form as it is ready for immediate distribution on receipt, or will keep indefinitely when stored in a dry place; size and shape of package admit easy handling; loss of time and labor necessary to slake and sift ordinary lump lime is obviated; and the fineness removes all danger of breaking machinery of a spreader. 50-lb. bag, 75c., 100-lb. bag \$1.25. Price for car lots on application.

PURE CANADA UNLEACHED HARDWOOD ASHES

Ashes lack ammonia and phosphoric acid, but contain potash and lime, which are essential, not only as plant-food, but also as sweeteners of the soil and solvents of other plant-food ingredients. So far as they supply potash and lime, they are "nature's plant-food." These things have been extracted from the soil by the trees, and now we return them in the shape of ashes. Pure wood ashes is one of the best fertilizers for top-dressing lawns, grass lands, and seeding down, imparting a rich, dark shade of green, destroying insects and weeds, particularly moss; also for fruit of all kinds, especially strawberries, peaches and apples. 100-lb. bag \$2.

PEAT MOSS

Excellent for mulching roses, shrubbery, and evergreens, also excellent for lawns. \$4.50 per barrel.

FLORANID

The most highly concentrated nitrogen fertilizer, containing 46 per cent available nitrogen. Nitrogen is one of the principal constituents of plant-food. It is the one that is first to affect the plants, producing quick and vigorous growth. **One level teaspoonful to the gallon of water is all that is required.** $\frac{3}{4}$ lb. 40 cts., lb. 75 cts., 50 lbs. \$12.

CARBOLA

Is a white mineral pigment ground so fine that it needs no straining. This powder is combined with the best and most powerful disinfectant manufactured. Mix with water and apply with brush or spray pump on poultry-houses, dairy-barns, cellars, etc. Wonderful for fighting insects on flowers and vegetables. 5 lbs. 75 cts., 10 lbs. \$1.25, 50 lbs. \$5.

SOLTEX

Tells what your soil needs. A new, quick, accurate soil-testing method that determines exactly in a few minutes whether your soil is acid and how much lime it needs. Pocket-size soil-testing outfit, sufficient for 75 to 100 tests, with color chart and lime table, \$1.

NEPONSET PAPER FLOWER POTS

Size	Doz.	100	Size	Doz.	100
2½-inch.....	\$0 08	\$0 50	3½-inch.....	\$0 15	\$1 00
2½-inch.....	10	60	4-inch.....	20	1 25
3-inch.....	12	75	5-inch.....	25	1 75

PLANT STAKES, Tapering, Painted Green

Length	Doz.	100	Length	Doz.	100
2 feet.....	\$0 45	\$3 50	4 feet.....	\$1 25	\$9 00
2½ feet.....	70	4 50	5 feet.....	1 75	12 00
3 feet.....	90	6 00	6 feet.....	2 00	14 00

CANE STAKES

These are light, strong, and durable. They are 6 feet in length, and can be cut to the desired length. 35 cts. per doz., \$2.25 per 100.

Stained Green

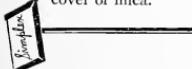
	100
1½ feet.....	\$0 50
2 feet.....	65

LABELS, WOOD

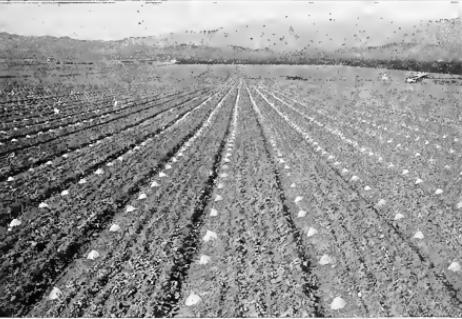
Pot—	100	Painted	Garden—	100	Painted
4-inch.....	\$0 25	\$1 55	8-inch.....	\$1 00	\$7 40
4½-inch.....	30	1 85	12-inch.....	1 50	11 40
5-inch.....	35	2 00	3½-in. Tree, copper wired.....	35	2 50
6-inch.....	40	2 50			

SIMPLEX WEATHERPROOF LABELS

The writing surface is white celluloid protected by transparent cover of mica.



Garden Labels. 24 in. long. Made of Armco Iron enameled green. Each. No. 10. 2¾ x 1½ in....\$0 25 No. 11. 3 x 2 in..... 30



Individual hothouses for every plant

Germaco

Hotkaps

"Hotkaps" bring crops to earlier maturity. Many write us that they have been first to market by from one to three weeks, and as a result have been able to get higher prices.

Farmers quickly appreciate them. Once you've tried them, you'll always use them. They afford the best crop insurance, and bring you more profit. Ask for special circular.

Prices. \$11.50 per 1,000, 5,000 at \$1 per 1,000.

HOTKAP SETTERS. \$2.50 each.

HOTKAP CARRIERS. \$2.75 each.



Plant Labels. Including copper wire for attaching. 100 No. 1. 3 x 1½ in..... \$2 50 No. 2. 4 x ¾ in..... 4 50



GARDEN TRELLIS Painted Green

VERANDA

Size	Each	Size	Each
2 ft.....	\$1 10	8 ft. x 1½ ft.....	\$4 00
3 ft.....	1 50	9 ft. x 1¾ ft.....	4 50
4 ft.....	1 85	10 ft. x 1¾ ft.....	5 00
5 ft. x 1½ ft.....	2 50	11 ft. x 2 ft.....	5 50
6 ft. x 1½ ft.....	3 00	12 ft. x 2 ft.....	6 00
7 ft. x 1½ ft.....	3 50		

CAN TRELLIS

Size	Each
1½ ft. x 7 in.....	\$0 50
2 ft. x 10 in.....	55
2½ ft. x 13 in.....	95
3 ft. x 16 in.....	1 50
3½ ft. x 21 in.....	1 65
4 ft. x 27 in.....	2 25
5 ft. x 32 in.....	\$2 80
6 ft. x 38 in.....	3 25
7 ft. x 42 in.....	3 70
8 ft. x 46 in.....	4 50



BASKETS



Peach and Plum. Best grade, all sizes. 14-qt. \$7.50 per 100; 10-qt. \$7 per 100.

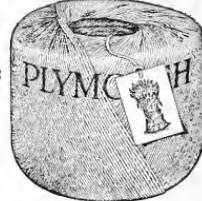
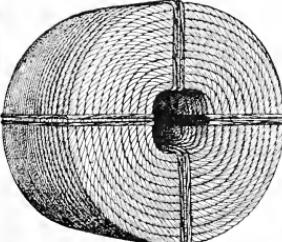
Till Baskets. 2-qt., \$2 per 100; 3-qt. \$2.50 per 100; 4-qt., \$2.75 per 100. **Strawberry, Raspberry, and Huckleberry.** All \$1 per 100.

Prices for larger quantities on application. A full line of Baskets of every description for Farm and Store use.



FRUIT JARS AND JELLY TUMBLERS

These we handle by the carload and always sell at the lowest market price.



MANILA ROPE AND BINDER TWINE

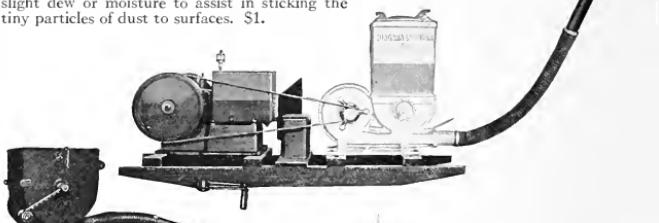
Made by the Plymouth Cordage Co., and is known all over the world for quality and durability. Always on hand at lowest market price.



FEENY DUSTER

A reliable hand Duster for any kind of insecticides in powder form. We recommend it for the family garden.

The ideal time for making dusting applications is early in the morning or late in the evening, when the wind conditions are quiet and when there is slight dew or moisture to assist in sticking the tiny particles of dust to surfaces. \$1.

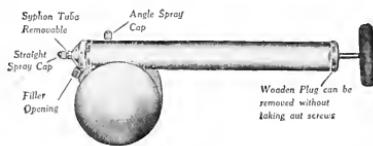


NIAGARA HAND DUSTER

Many growers have an acreage insufficient to warrant the purchase of a large Duster, yet some kind of an inexpensive, practical device must be procured for the application of insecticides and fungicides to growing crops in order to protect them from injurious pests. It is for these growers that the Niagara Blower Dust Gun is especially designed. \$25.

NIAGARA ORCHARD DUSTER

This is a light-weight orchard dusting machine adapted for small acreages of the leading orchard fruits, or for small trees. It is extremely light in weight, easily handled, and will fill a real need of small orchardists. Duster \$148, Engine \$215, Truck \$70.



BROWN'S CONTINUOUS SPRAYER

Operates continuously on both the up and down stroke and throws a fine misty spray. Two spray caps—one straight, the other at an angle for reaching under leaves or spraying directly down. Construction of tank permits the Sprayer to be operated at any angle and it will not tip over when filling. \$1.50.

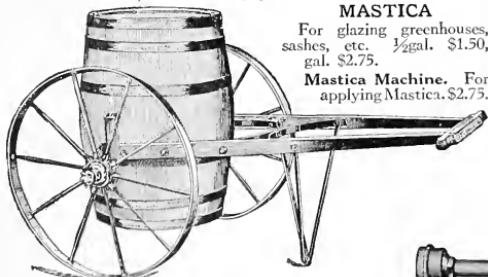
CYANOGAS DUSTER

High pressure Duster for rat and mole-extermination work. Forces Cyanogas A-Dust cloud deep into underground passages. Holds one full pound of Dust. \$6.

MASTICA

For glazing greenhouses, sashes, etc. $\frac{1}{2}$ gal. \$1.50, gal. \$2.75.

Mastica Machine. For applying Mastica. \$2.75.



Water Barrel and Truck. \$16



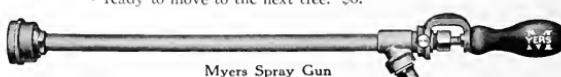
UTILITY ONE-WHEEL PORTABLE

A very useful and convenient outfit where the nature of the work necessitates the moving about of a large amount of liquid.

Tank, 18-gallon capacity, made of heavy galvanized iron, reinforced at top and bottom with heavy iron bands. A standard Utility Pump. A 2-inch air-chamber 23 inches long, fastened to the top of tank by a spider casting removes all the liquid. Frame made of steel tubing, well braced, to insure strength and rigidity. Tank when filled hangs in a vertical position and is easily removed. Wheel 18-inch diameter by $2\frac{1}{2}$ -inch face. This outfit can be had, with pressure tank, as described below. Equipment: 10 feet of $\frac{1}{2}$ -inch, 5-ply hose; 4-foot spray-rod; No. 65 shut-off nozzle. No. 40-A, as shown above with Pressure Tank. Weight crated, 100 pounds. \$35.

MYERS SPRAY GUN

This Spray Gun discharges a wide spray which practically covers the tree at one shot. This broad spray is produced from the long-distance spray shown below by a slight turn of the handle. A further turn shuts off the spray entirely when you are ready to move to the next tree. \$6.



Myers Spray Gun

VERMOREL ORANGE DUSTER

Size 12 by 16 inches. Hose and tube length 4½ feet. Weight 11 pounds (shipping weight 17 pounds). Capacity, 6 quarts, dry measure (9 pounds sulphur flowers). For dusting sulphur or sulphur and arsenate mixtures, arsenate of lead or calcium, arsenite of zinc, Paris green, bordeaux or bordeaux-lead powders, lime, etc.

Simplicity in construction, ease in operation, efficient in its work—these are the outstanding features of this wonderful model.

The Orange being of the bellows type has no wheels, cogs, belts, or other complicated mechanism that would be likely to wear and give trouble. Single, \$15. Double, \$20.

VERMOREL ECLAIR NO. 1 KNAPSACK SPRAYER

Simple and compact in construction. Reliable and efficient to the highest degree. A small Sprayer that will do a big job, and do it right, with the least effort. No plunger; no complicated mechanism. Makes spraying a pleasure instead of a drudgery. \$20.

MYERS ELECTRIC HOUSE PUMP
(PATENTED)

This Pump is self-oiling, motor-driven, automatically controlled, economical, and efficient. It is designed for operation from any kind of city current or from farm lighting and power systems.

Can be used in cisterns or shallow wells up to 22 feet in depth and is 90 per cent efficient. Has oil-level overflow. Capacity 180 gallons per hour. Suction and discharge, ¾-inch.

Of all the methods of obtaining water for the home, this one requires the least attention and is economical and highly satisfactory.

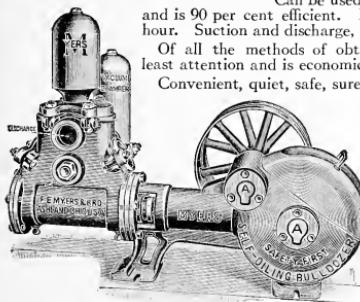
Convenient, quiet, safe, sure, it is easily installed and will furnish an abundant water-supply for any home. No. 606.—A. T. \$115.

BULLDOZER PUMP

The Myers Self-oiling Bulldozer Pump is made in the largest size, for general service such as supplying water in large quantities for irrigation, mills, factories, railway tanks, stations, villages, etc., against a pressure of 100 pounds or an elevation of 230 feet.

The power end consists of a one-piece casting which forms the base of the Pump and oil-reservoir, and in connection with a lid encloses all working parts, protecting them from dirt or injury, and securing safety of operation. This

Myers Electric House Pump



Bulldozer Pump

casting is completely machined at one setting for all bearings, the crosshead, cylinder head and shaft bearings, insuring alignment of all working parts. The pinion and gear are mounted between double bearings A—these bearings are renewable. Ask for price.

MARCH AUTOMATIC RAINMAKER

Sprinkles rectangles, not circles. Covers large areas rapidly without overlapping, and is quickly adjusted to water small spaces.

Sprinkles along edge of walks or drives without wetting them.

Ordinary water-pressure from lawn hose turns the pipe-line of nozzles as an axis, throwing the streams of water from one side over to the other with a constant, steady swing.

Thousands in use on city lawns, large estates, golf courses, cemeteries, and parks.

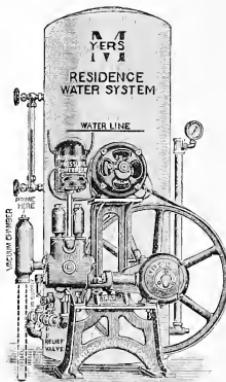
Made in four sizes—Watering from 1,200 to 3,000 square feet at a setting.

Write for prices and literature.

Goods delivered without extra charge locally. Orders by mail or telephone receive the same attention as a personal order



Vermorel Knapsack Sprayer



March Automatic Rainmaker



No. 22 Banner Compressed Air Sprayer



The Auto-Spray

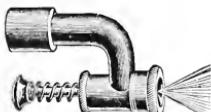
NO. 22 BANNER COMPRESSED AIR SPRAYER

This Sprayer is adapted for all spraying purposes. It cannot be excelled for spraying garden vegetables, plants, shrubbery, trees, flower-beds, whitewashing, and disinfecting poultry-houses, stables, cellars. In fact, will spray anything in liquid form and is easily operated by man or boy. Full directions and spraying calendar with each Sprayer. Galvanized \$6. Brass \$9.

THE AUTO-SPRAY

A few strokes of plunger in air-chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. This means that the "Auto-Spray" can be charged in fifteen seconds, when it will work uninterruptedly long enough to spray a quarter acre of potatoes. The spray can be made to flow fast or slow by merely turning the cock of the nozzle, and it will throw either a cloud-like shower or a solid stream.

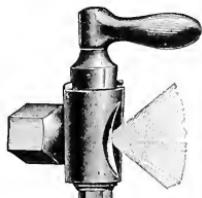
No. 1B. Auto-Pop, Brass.....\$9 00
No. 1D. Auto-Pop, Galvanized.....7 00



Vermorel Nozzle



Boston Graduating Nozzle



Bordeaux Nozzle

HOSE NOZZLES

Bordeaux Nozzle. The simplest and best combination spraying Nozzle on the market. It throws a solid stream or a fan-shaped spray, adjustable to any fineness; is readily degorged by turning the cock handle. It will also throw a long-distance coarser spray for spraying very large trees; or it may be shut off altogether—features possessed by no other spray Nozzle. For $\frac{1}{4}$ -in. pipe. \$1.

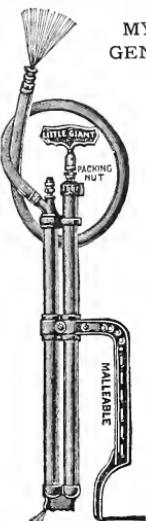
Vermorel Nozzle. Very simple in construction and throws a finer spray than any nozzle in use. For $\frac{1}{4}$ -in. pipe. \$1.

Rain King. \$1.50.

Boston Graduating. Throws solid stream or spray. For $\frac{1}{4}$ -in. hose. 75 cts.

MYERS WHITEWASH AND GENERAL-PURPOSE SPRAYER

The tank is made of heavy galvanized iron with a wide bottom so as to sit steady in operation; has both jet and dasher agitators; holds 7 gallons. \$13.



Bucket Spray Pump



General-Purpose Sprayer

MYERS BUCKET SPRAY PUMP WITH AGITATOR

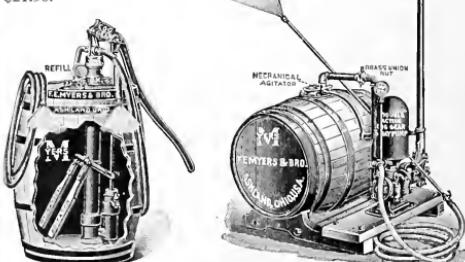
This Spray Pump is constructed entirely of brass, a material that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. \$4.30.

MYERS DOUBLE-ACTING COG-GEAR COMPLETE SPRAY PUMP OUTFIT R-316B

Mounted on skids with 50-gallon barrel, with pressure gage, one 15-foot lead of $\frac{1}{2}$ -inch 7-ply discharge hose, one Fembro nozzle, one 8-foot pipe extension with lever shut-off, and mechanical agitator. Cog-gear movement, increased leverage adapted for spraying under heavy pressure. Capacity sufficient for eight nozzles, adapted for spraying potatoes. \$54.

MYERS O. K. COG-GEAR SPRAY PUMP R-308

For hot, cold, or any kind of mixture. Sold as a plain Pump, if desired, with one or two lengths of hose. Plain Pump. \$21.50.

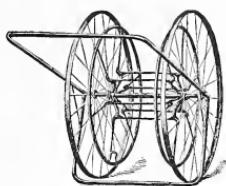


Myers O. K. Spray Pump

Myers Double-Acting Spray Outfit



Steel Hose Reel



Park Hose Reel

HOSE REELS

Park No. 30. A tubular iron reel and frame, on steel wheels. For parks, lawns, and greenhouses. \$7.50.

Nos. 10 and 20 Steel Hose Reels. These are practically the same except in size. \$4 and \$4.50.

GARDEN HOSE

A full line; best grades. Prices from 13 cts. to 20 cts. per foot. Guarantee with most of them.



Wood Pump



Garden Hose

RATCHET-HANDLE FORCE PUMP

No. R1072. Capacity, 440 gallons per hour. Has a 3-inch brass-lined cylinder, with glass seat; tapped for 1½-inch pipe. \$13.

BATES WELL CURB

Much used in the suburbs and country villages as the best method for drawing water from wells.

Curb, complete, including rope, chain and bucket. \$35.

CUCUMBER WOOD PUMPS

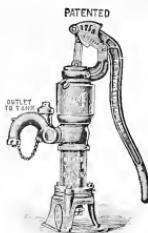
6 feet long.....	\$8 50	10 ft. long...\$11 50
7 feet long.....	9 25	Pipes, per ft. 30
8 feet long.....	10 00	Couplings... 90

RUBBER-BUCKET CHAIN PUMP

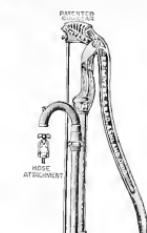
Complete for 10-foot well, \$8. Curb, \$5; chain (3 ft. to lb.), 10 cts. per lb.; wood tubing 12 cts. per ft.; rubber buckets, 10 cts. each.



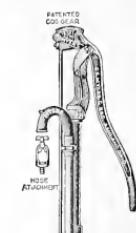
Chain Pump



House Force and Lift Pump



Myers Cog-Gear Pitcher Pump



Myers Pump No. 5

MYERS PUMPS
Anti-Freezing Force

No. 8. For wells under 25 feet. Has a 3½-inch brass-lined cylinder, 4 feet below the platform, fitted with expansion plunger bucket and patent glass valve-seat, tapped for 1½-inch suction pipe. \$16.

No. 5. For wells from 25 to 70 feet deep. Capacity, 440 gallons per hour. Has a 3½-inch brass-lined lower cylinder, with latest improved glass valve-seat and plunger, capped outside, tapped for 1¼-inch pipe. \$17.

SINGLE-ACTION, ADJUSTABLE BASE

Has a 3-inch brass-lined cylinder, with glass seat; tapped for 1¼-inch pipe. \$11.50.

Has a 3½-inch brass-lined cylinder, with glass seat; tapped for 1½-inch pipe. \$13.

HOUSE FORCE AND LIFT

No. R251. Has brass upper and 3-inch brass lower cylinder, with patent glass valve-seat; tapped for 1¼-inch suction pipe. \$9.

No. R253. Has brass upper and 3½-inch brass lower cylinder, with patent glass valve-seat; tapped for 1½-inch suction pipe. \$10.50.

THE MYERS COG-GEAR PITCHER PUMP

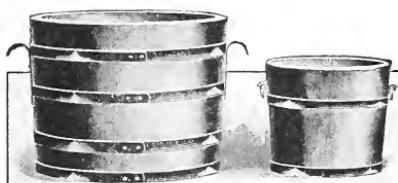
Fitted with Brass Valve-Seat

No. R416. Has 3-inch polished cylinder; tapped for 1¼-inch pipe. \$4.25.

No. R418. Has 3½-inch polished cylinder; tapped for 1½-inch pipe. \$5.25.

Nelson. 1½-in. pitcher. \$2.25.

Red Cross. 1¼-inch force pump. \$6.50.

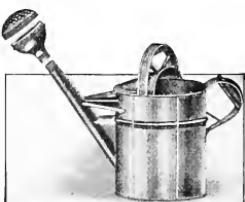


CEDAR PLANT TUBS

Painted green; strongest and most durable Plant Tub made.			
Diam.	Top outside	Height outside	Each
No. 1	28 inches	22 inches	\$13.20
No. 2	26 inches	20 inches	11.00
No. 3	24 inches	18½ inches	6.90
No. 4	22 inches	17 inches	5.60
No. 5	20 inches	16 inches	4.70
No. 6	18½ inches	15 inches	3.75
No. 7	16½ inches	14 inches	3.25
No. 8	15½ inches	13 inches	2.75

MURDOCK PLANT TUBS

	Each		Each
No. 6	\$0.75	No. 8	\$1.00
No. 7	85	No. 10	1.30



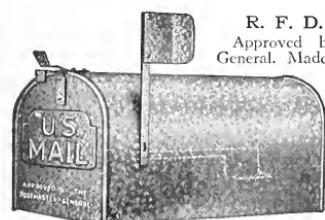
WATERING POTS

Central Galvanized.			
4-quart	\$0.65	10-quart	\$0.90
6-quart	75	12-quart	1.00
8-quart	85	16-quart	1.25

Dover.			
6-quart	1.00	10-quart	1.25
8-quart	1.15	12-quart	1.35

English Style for Greenhouses.			
6-quart	\$3.50	10-quart	4.00
8-quart	3.75	12-quart	4.50

Parlor, Painted.			
1-quart	\$0.35	2-quart	45
Long spout, 2-quart			1.00



R. F. D. MAIL BOX

Approved by the Postmaster General. Made of heavy gauge galvanized steel, aluminum painted outside. Equipped with red signal, swinging shutter in door for letters, and padlock pocket.

Length, 18 in.; width, 6 in.; height, 7½ in., \$1.65.

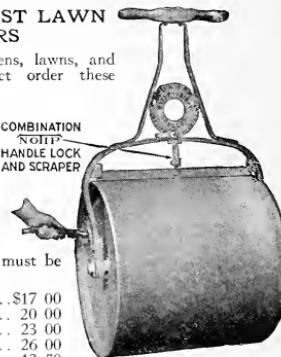
WATER-BALLAST LAWN ROLLERS

For keeping golf-greens, lawns, and tennis-courts in perfect order these Rollers are invaluable.

When the ground is soft they may be used empty, and in dry weather, when all others are useless, they can be filled with water and worked effectually. The advantage of having in one Roller either a heavy or light implement at pleasure must be obvious to everyone.

COMBINATION
NOTCH
HANDLE LOCK
AND SCRAPER

No. 601.	250 lbs.	\$17.00
No. 602.	330 lbs.	20.00
No. 603.	440 lbs.	23.00
No. 604.	590 lbs.	26.00
No. 605.	175 lbs.	13.50
No. 606.	265 lbs.	16.00



GRASS CATCHER

For all sizes Lawn Mowers; from 85 cts. to \$1.50.

THREE-WHEEL HAND CART
(With springs)

Body 43 inches long, 28½ inches wide, 10 inches deep, outside measurements, \$21.

Ask for specifications and prices of other styles.

TWO-WHEEL HAND CART
(Without springs)

Body 43 inches long, 28½ inches wide, 10 inches deep, outside measurements, \$23.

STEEL GOODS

Our department in this line is one of the largest in New England and embraces a much larger variety than shown in this catalogue. We are jobbers as well as retailers, and you can depend on quality as well as reasonable prices.

SHOVELS

Long Handle, Round Point.

	Each
Ames	\$2.00
What Cheer	1.15
Bissell	1.10

Long Handle, Square Point.

Ames	2.00
What Cheer	1.15
Bissell	1.00

D Handle, Round Point.

Ames	2.00
What Cheer	1.15
Bissell	1.00

D Handle, Square Point.

Ames	2.00
What Cheer	1.15
Bissell	1.00

D Handle Spade.

	Each
Ames	\$2.00
What Cheer	1.15
Bissell	1.00

D Handle Scoops.

Ames, No. 2 Polished	2.00
No. 3	2.10
No. 4	2.15
No. 5	2.20
No. 6	2.25
No. 7	2.30

Sanderson's, No. 2 Black	1.50
No. 3	1.55
No. 4	1.60
No. 5	1.65
No. 6	1.70
No. 7	1.75

GARDEN RAKES

10-tooth, 85 cts.; 12-tooth, 90 cts.; 14-tooth, 95 cts.; 16-tooth, \$1; 18-tooth, \$1.10.

HOES

Rhode Island Pattern.

All sizes.
90 cts. to \$1.15.

Meadow Pattern.

All sizes.
90 cts. to \$1.15.

Corn.

\$1.

Onion.

90 cts.
Stable, \$1.25; Street, \$1.25.

Clam Digger.

R. I. Pattern.
\$1.50.

Potato Digger.

6-tine, \$1.25.

FORKS

Manure, D Handle.

4-tine, \$1.35;
5-tine, \$1.60;
6-tine, \$1.80.

Spading, D Handle.

Diamond
Back. \$1 to \$1.75.

Coke, D Handle.

\$2.50 to \$4.
Hay, 2-tine. \$1 to \$1.40.

Hay, 3-tine. \$1 to \$1.40.

Bush Hook, Collin's. \$1.50.

Edging Knife. \$1.

HANDLES

Hay Fork.

20 cts. to \$1.

Manure Fork, Long.

50 cts.

Manure Fork, D Handle.

50 to 75 cts.

Hoe.

25 cts.
Pick. Oak and walnut. 50 to 75c.

Axe. Many styles. 40 to 50 cts.

Also a full line of other Handles that go with our business

SCYTHES

We have a reputation for selling the best grade of Scythes on the market.

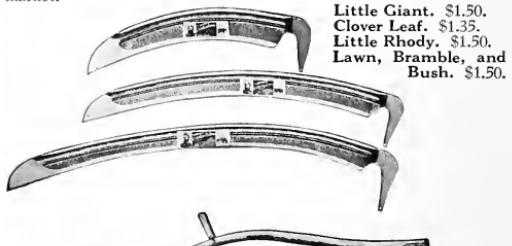
Little Giant.

\$1.50.
Clover Leaf. \$1.35.

Little Rhody. \$1.50.

Lawn, Bramble, and

Bush. \$1.50.



SNATHS

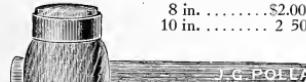
The celebrated swing-socket.

Grass, Ash. \$1.25.

Bush, Ash. \$1.50.

TAMPING BAR

Made different weights and sizes.
8 in. \$2.00
10 in. 2 50



BEETLES

For contractors' use. \$4.50.

LOCK-LEVER POST-HOLE DIGGER

Enjoys a reputation unequaled by any other Digger on the market, because of its lightness, ease of manipulation, simplicity and solidity of construction, best material, workmanship and finish. Any boy can operate this Digger. The increasing demand for the Lock-Lever Digger and the letters of commendation received, are proof that our statement is correct. \$2

Post
Hole
Digger



YAMADE CO.

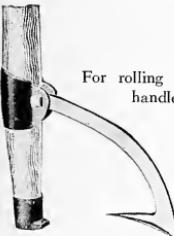
WHITE PLAINS

LAWN BROOMS

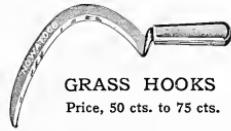
Price \$1

CANT-HOOK

For rolling logs and poles. With 3- or 3 1/2-foot handles. \$2.



Cant-Hook



GRASS HOOKS

Price, 50 cts. to 75 cts.



LEVINES HOTBED MATS

Wool-filled, Frostproof, Indestructible, Cheap, Warm

Made expressly for winter covering of hotbeds, coldframes, plants, and seeds of all kinds. Will not harbor mice or vermin. Easily handled. Dry out quickly after rain. Have been in practical use for years. Cost less than old-fashioned straw mats, entirely take their place. 76 x 84 in., \$3.50.



ACME SPRAYER

This Sprayer is adapted for all kinds of insect-killing and spraying purposes. It is a great saving of labor, and also a great saving of liquids, as the spray is as fine as mist and adheres to the plant. Used by stock-raisers for keeping flies from cattle and horses during the summer months. 50 cts.



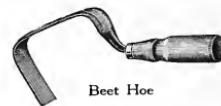
WOODASON BELLOWS

These are the best-made Bellows; will last a long time and are very strong and durable. \$2.75.

WEEDERS



Excelsior
Hand



Beet Hoe

Excelsior Hand Weeder. 15 cts.

Beet Hoe. 50 cts.

Magic Weeder and Hoe. The best garden tool on the market. It does the work with half the labor, saving both time and strength. 50 cts.



Magic Weeder



NORCROSS HAND GARDEN CULTIVATOR

Its work equals that of the highest-priced wheel plow on the market. With its low price, it sells to those who have but a small home-garden. It is made of first-class material, the shovels forged from steel prongs. It can be entirely taken apart, every part being detachable. Three sizes, 40 cts., 75 cts., and \$1.

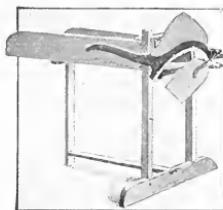
MOUNTED GRINDSTONE

Wood Frame, 24 inches.	.....	\$22 50
Wood Frame, 26 inches.	.....	25 00
Wood Frame, 28 inches.	.....	27 75
Bicycle.	.....	10 00

UNMOUNTED

Nova Scotia. Hand cut.	.....	Per lb. \$0 12
Cleveland.	.....	10
Bicycle.	.....	10

We carry a complete line of grinders, rifles, and scythe stones for sharpening all kinds of farm tools.



Lever Hay Cutter



Peckham Caldron

PECKHAM CALDRONS

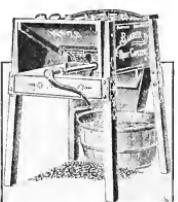
An indispensable article on every farm. Made in six sizes. **Furnace and Caldron complete. (For wood).** 15-gal., \$40; 22-gal., \$50; 30-gal., \$60; 45-gal., \$70; 60-gal., \$80; 90-gal., \$140. Fixtures for coal extra. **Farmers' Kettle.** \$16.

LEVER HAY CUTTERS

Adjustable arm to take up wear. Each
 No. 2. New York.....\$6 00
 No. 5. New York.....8 75



New England Root Cutter



Banner Root Cutter

NEW ENGLAND ROOT CUTTER

Very popular; cuts in irregular, small pieces, a good size for cattle to eat. \$10.50.

BANNER ROOT CUTTER

No. 20, \$15; No. 25, \$13.50; No. 7, \$6.30; No. 31, \$13.50. No. 31. Made entirely of iron and steel. A positive feed—it must cut the roots; they can't get away from the knives. \$13.50.

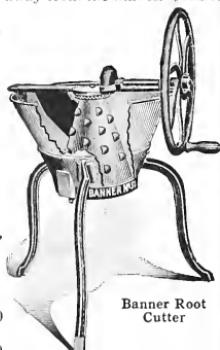


STEEL ROAD
SCRAPERS
With Runners

No. 0, \$20; No. 1, \$9; No. 2, \$8.50; No. 3, \$8.

CORN SHELLERS

Rover.....\$15 00
 I. H. Co., Power, with
separator.....35 00



Banner Root Cutter

WHEELBARROWS



Garden Wheelbarrow

GARDEN WHEELBARROWS

A good strong Barrow for everyday use.

No. 64.....	\$7 00	Boy's.....	\$4 and \$6 00
No. 65.....	7 50	No. 64, Wide-wheel...	7 50
No. 66.....	8 50	Star. Varnished.....	8 00



Steel-Tray Barrow

STEEL-TRAY BARROWS

No. 75A, Syracuse.....	\$6 50
No. M-3.....	6 00
No. M-4.....	6 50
T-6.....	7 00
Rex.....	4 00

ALL-STEEL TUBULAR BARROWS

For very heavy work. Ask for price.

STONE BOAT

Well made of seasoned oak, with iron head. 1-horse-size, \$9.50; 2-horse-size, \$10. Steel Head, 34-in., \$5.25.

POST HOLE AUGERS AND SPOONS

8-inch Auger.....	\$2 50
Drive-Pipe Auger.....	2 25
Post-hole Spoons.....	
7-ft.....	2 75
8-ft.....	3 00
9-ft.....	3 25
10-ft.....	3 50

TRAPS

Animal	
No. 0.....	20
No. 1.....	25
No. 1½.....	35

LANTERNS

Hand Lanterns.....	75 ets. to 1 75
Driving Lanterns.....	\$1.50 to 1 75

BROOMS

House.....	50 ets. to 1 25
Stable, Plain.....	1 00
Stable, Rattan-filled.....	1 25



McCORMICK-DEERING CREAM SEPARATORS

The new McCormick-Deering with four ball bearings is not only a step forward in providing easy turning so long desired, but it also provides a machine that a woman, or even a child, can operate with ease. If you desire the utmost in Separators, long life, easy turning, close skimming, etc., insist on the McCormick-Deering.

No. 1. Capacity 350 lbs.....	\$88 00
No. 2. Capacity 500 lbs.....	100 00
No. 3. Capacity 750 lbs.....	117 00

Prices of larger sizes on application.

DE LAVAL CREAM SEPARATOR

The De Laval Cream Separator constitutes the best-known means, in the light of science and the world's experience, for separating cream from milk.

Briefly stated, the process of centrifugal separation consists in passing the milk through a mechanically operated and rapidly revolved steel bowl, the inflow and discharge being continuous and the separation practically instantaneous—with all of the advantages and none of the disadvantages of gravity setting or other skimming of milk.

No. 7 (capacity 200 lbs.), \$62.50.
 No. 8 (capacity 225 lbs.), \$77.50.
 No. 10 (capacity 350 lbs.), \$100.
 No. 12 (capacity 500 lbs.), \$117.50.

Larger sizes for creamery and factory.



DAZEY CHURN

Dazey Churn. Most sanitary Churn on the market. Extra-heavy glass jar, nickel-plated top, No. 300, \$5; No. 20, \$1.75; No. 40, \$2.75.



Varnished Cylinder Churn



VARNISHED CYLINDER CHURN

Varnished Cylinder Churn. No. 0, \$3.25; No. 1, \$3.50; No. 2, \$4; No. 3, \$4.50.

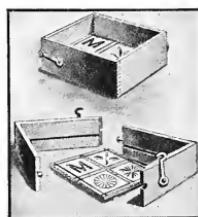


CHAMPION MILK COOLER

It is a perfect aerator, removing all flavors arising from excessive cabbage, turnip, or silo rations. No. 2, \$9; No. 3, \$10.80; No. 4, \$13.50.

NEW ENGLAND BUTTER MOLD

1-lb. size, 90 cts.; $\frac{1}{2}$ -lb. size, 75c.



MILK PAILS

(Not shown.) 75 cts. to \$4 ea.

MILK CANS

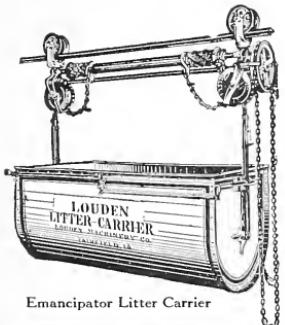
(Not shown.) Standard 10-qt. size. \$2.50.

B-K

A pure sodium hypochlorite, the harmlessness and efficiency of which is well known to most scientists and health officials. It contains no poison or acid. **B-K** performs three distinct functions. It has a *solvent, cleansing action*; it *destroys bacteria and infectious organisms*; it is a *powerful deodorant*. Use clean water and B-K only; put nothing else in the rinse water. 10 ozs. 60 cts., qt. \$1.25, gal. \$3, 5 gals. \$12.50.

MILK STRAINERS

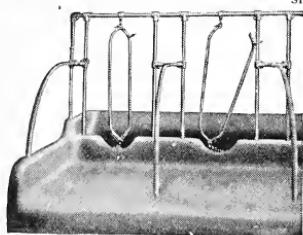
Red Cross Milk Strainer.....	\$3 25
Perfection Filter Discs. Carton of 300.....	2 25
Funnel for use with 10-qt. cans.....	1 00



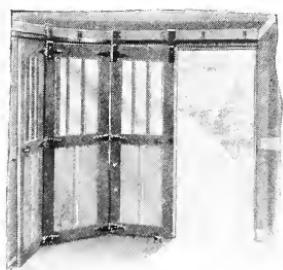
Emancipator Litter Carrier



Double-Bead Steel Track



Steel Stall



Louden Garage Door Hanger



Buckley's Watering Device

LOUDEN

EMANCIPATOR LITTER CARRIER

Takes out the equal of five wheelbarrow loads of manure at a single trip—takes it clean without spilling or dripping—carries it clear away from the door—dumps the entire load into manure-pit or manure-spreader. It will save you more hard, disagreeable work than any implement about the place. The 10-bushel tub is let down close to the floor where even a 12-year-old boy can shovel the manure quickly and easily into it. He gives the carrier a little shove as he goes without putting the shovel aside. The big tub is loaded almost as quickly as a wheelbarrow carrying only a fifth as much. The same heavy double-bead track is used with the Litter Carrier that has been used for many years in connection with Louden Hay Carriers.

LOUDEN STEEL STALLS AND STANCHIONS

Milk and misery don't go together. The Louden Swinging Tubular Steel Stanchion gives the cow pasture-comfort. In a Louden Stanchion she can turn around to card herself—she can lie down with her head tucked against the side of her body, just as she sleeps out in a June pasture. Farmers who have used them say that cows will pay for the *complete steel stalls and stanchions* in two years out of the *extra production* the pasture-comfort makes possible.

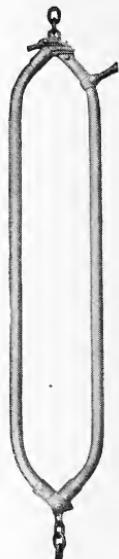
LOUDEN DETACHABLE WATER-BOWLS

Give the cows a fresh drink any time day or night when they want it, and as much as they want. A cow must drink $4\frac{1}{2}$ gallons of water for every gallon of milk she produces. The winter slump in milk production is in large measure due to the cows not getting enough water to drink. Louden Water-Bowls also do away with that disagreeable chore of having to turn the cows out to water once or twice a day no matter how disagreeable the weather may be. A Massachusetts dairyman got a 40 per cent increase in milk production last January, February, and March after installing the Water-Bowls. You can add \$3 a month to your milk-check for each cow milked during the winter, by simply installing Louden Water-Bowls.

LOUDEN GARAGE DOOR HANGER

Absolutely the handiest and most economical Garage Door Hanger made. Door slides around corner on inside, taking up very little room. First section of door forms a foot door. Outfits are complete with track, roller-bearing trolleys, hinges, stay rollers, screws, and nails. Made for 6-, 8-, 10-, or 12-foot doors. Anyone can install it.

The Louden representative will be pleased to call on you, and give figures for the Louden Line



Louden Tubular Steel Stanchion



Detachable Water-Bowls

BUCKLEY'S PATENT WATERING DEVICE FOR WATERING STOCK IN STABLE

Water in the Stable is a Necessity

It has come to be regarded as a matter of necessity for the proper care of stock, while in the stable, that they should have constant access to water of suitable temperature. The Buckley process shows the most practical method of having it. **Complete, \$3.**

CRUMB'S CHAIN HANGING WOOD STANCHION

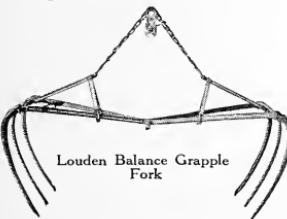
(Not shown)

This device is made from thoroughly seasoned hard wood, framed and bolted together in the most substantial manner. At its opposite ends chains are attached by which it is suspended from the top beam of the stall-frame, and secured thereto by a chain of sufficient length to allow it a free and easy motion in all directions. Sole agents for Rhode Island. **\$2.50.**

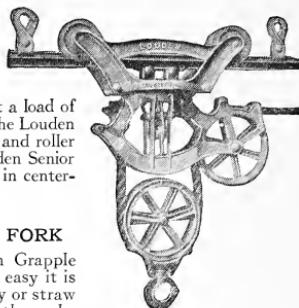
Louden Hay Tools Get the Hay in While the Sun Shines

LOUDEN SENIOR HAY CARRIER

The Louden Senior Hay Carrier is a sturdy, dependable carrier built to safely lift a load of 1,500 pounds—a good deal more than would ever stick to even such a greedy fork as the Louden Balance Grapple shown below. The rope wheel and pulley are 7 inches in diameter and roller bearing. This makes the draft easier and gives longer wear to the rope. The Louden Senior Carrier is reversible so that it can be used in center-drive or end-hoist barns.



Louden Balance Grapple Fork



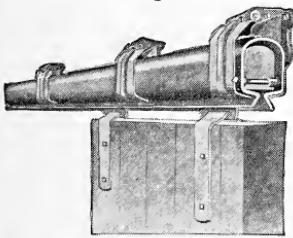
Louden Senior Hay Carrier

LOUDEN BALANCE GRAPPLE FORK

Unless you have actually used a Louden Grapple Fork, it will be hard to convince you of how easy it is to set, what enormous loads of all kinds of hay or straw it takes up, how clean it takes the hay off the rack, how little it spills. No special care is required in loading the hay—the Balance Grapple Fork clinches its wide-spread steel tines about a big load of hay and mows it away. The fork comes down open, a 12-year-old boy can guide it to the next "bite" as it comes down, then a step on each end to ram it into the load—a snap of the latch, and you are all ready for another pull.

LOUDEN SINGLE DRUM POWER HOIST

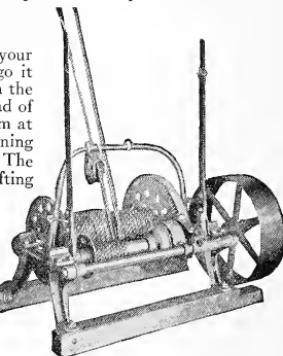
Belt it up with your tractor or any engine of 4 horse-power or more, and start your engine. Nothing happens at the hoist until you pull a lever—the moment you let go it springs into neutral—you can't forget to make it safe. Hard maple conical blocks form the clutch. Pull the main lever and your clutch takes hold gradually but surely. Your load of hay goes up as fast as a team could take it—the hoist takes the place of an extra team at haying-time. To return, work the other lever—it is much quicker and easier than turning a horse or team around and wasting your strength pulling the carrier back by hand. The hoist, besides taking the place of a team at harvest-time, is mighty handy for heavy lifting of all kinds. The big brake holds the load securely at any point desired.



Bird-Proof Barn-Door Hanger

LOUDEN BIRD-PROOF BARN DOOR HANGERS

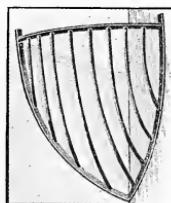
Note the straight sides and flared-out lips of the Bird-proof Barn Door Track at the left. They give this track a strength and durability not usually found in closed tracks. Note also that the track is flexibly hung from big sturdy brackets. This flexible hanging permits the door to climb ice or trash without damaging the track or hangers. In fact the door could be swung outward and upward until it stood upside down on the track without any damage to the door, trolleys, or track. There are four roller-bearing wheels for each door, making even the heaviest door roll remarkably easy.



Louden Single Drum Power Hoist



Ratchet Jack



Corner Hay Rack

CORNER HAY-RACK

Will not waste hay. \$3.25.

CORNER FEED-TROUGH

Best cast-iron. \$2.50.

OX-YOKES

Made of best seasoned stock. Complete with bows, No. 4, \$13; No. 5, \$15; No. 6, \$16.



Ox-Yoke



Corner Feed Trough

PRATT'S RATCHET JACK

Best Jack made for heavy work. No. 7, \$5.75; No. 5, \$3.50.

MANNING PASTEURIZER

The Manning Pasteurizer is a complete unit, heater, holder, and cooler, in one machine. It heats quickly to 140 or 145 degrees, with a minimum amount of steam, holds absolute temperatures for 30 minutes, and cools to 40 degrees in the shortest time with the smallest amount of ice or salt. It saves valuable floor-space, does not waste milk, like long-flow outfitts, and because of direct application, perfect insulation, and superior construction, needs less heating and cooling mediums. The low first cost, economical upkeep, and great efficiency of the Manning makes the batch system by far the safest, most sanitary, and the least costly method of pastuerization.

ASK FOR DESCRIPTIVE CATALOGUE AND PRICE

CHESTER DAIRY COOLERS

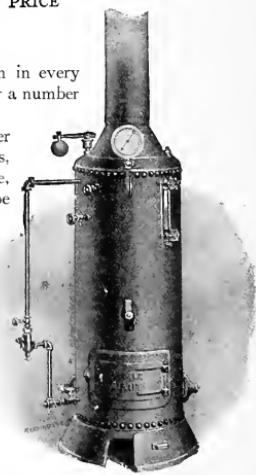
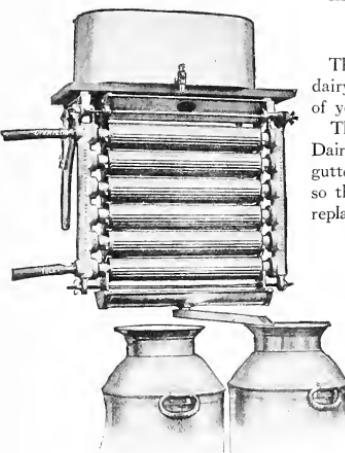
The Chester Dairy Cooler is favorably known in every dairy section of the world, as it has been sold for a number of years.

The unique unit construction of the Chester Dairy Cooler puts it in a class by itself. The tubes, gutters, manifolds, in fact, all parts, are removable, so that in case of necessity any worn part may be replaced. All parts are interchangeable.

FULL-LENGTH TUBE

VERTICAL BOILER

This type of Boiler is especially desirable where space is limited. Being easily handled and a quick steamer, it is very popular and it is extensively used in creameries and milk plants.



THATCHER SUPERIOR MILK BOTTLES

These quality Milk Bottles are made to stand the rough handling of every-day usage. Made of best flint glass and annealed in specially designed lehrs, insuring maximum strength. 1-qt., \$1 per doz., \$5 per $\frac{1}{2}$ gross, \$9 per gross. 1-pt., 75 ets. per doz., \$4 per $\frac{1}{2}$ gross, \$7 per gross; $\frac{1}{2}$ -pt., 55 ets. per doz., \$3 per $\frac{1}{2}$ gross, \$5.65 per gross.



PIQUALITY MILK BOTTLE CAPS

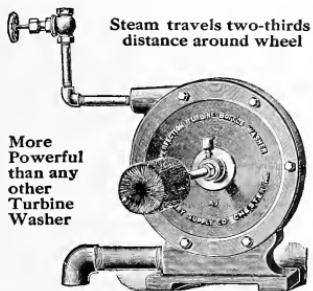
"Piquality" means that nothing but the best of materials are used in the manufacture of Piquality Caps. We carry in stock the several different kinds of bottle caps necessary to conform both to the state laws and city ordinances governing the same. 50 ets. per 1,000, \$2 per 5,000, \$18 per 50,000.

Get our price on Bottle Caps printed with your own design; it costs but little more and protects you



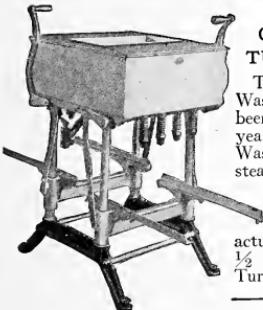
CHESTER CASE RINSER AND STERILIZER

The Chester Case Rinser and Sterilizer is used by many dairymen for sterilizing the bottles after they have been brushed and cleaned in ordinary wash-tanks.



CHESTER STEAM TURBINE WASHER

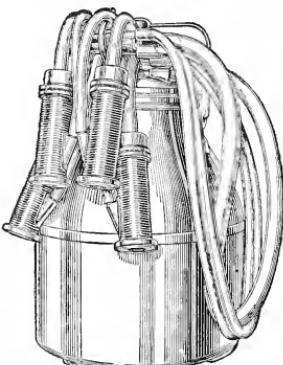
The Chester Steam Turbine Washer is well known, having been in the market for many years. This is the only Turbine Washer made in which the steam travels $\frac{2}{3}$ of the way around the wheel, thus taking all of the power out of the steam. It actually requires only about $\frac{1}{2}$ of the steam that most Turbine Washers use.



MANNING BOTTLE FILLER

In these days of competition every labor-saving device is necessary to the dairyman.

The De Laval Milker



Sooner or later you will use a
De Laval

1. Increases milk-production.
2. Saves time and labor.
3. Produces cleaner milk.
4. Makes dairying much more pleasant.
5. Makes more money.

We can prove every point, and convince you that the De Laval Milker will soon pay for itself, if you are milking ten or more cows by hand. Give us an opportunity.

Large illustrated descriptive catalogue, with prices for installing, sent upon request.



BOTTLE CASE

NOTICE.—To dairymen or farmers who are thinking of putting in a new plant or remodeling an old one, we suggest they write us. We have an expert who will call on them, go over the matter thoroughly with them, and give them the cost.



MARTIN FARM DITCHER, TERRACER, AND ROAD GRADER FOR TRACTOR

The best tool in the world for building terraces, to stop the washing away of top soil on hillside and rolling farms, for cutting new ditches, back-filling after tiling, cleaning out old ditches, filling gullies, leveling bumps, and grading roads. The most important tool ever brought onto the farm. Was needed before the plow.

Does the Work of 100 Men

This machine cuts a V-shaped ditch down to 4 feet. It is reversible, throws the dirt to either side, so that you can ditch close to a fence. Can be adjusted for a narrow or wide cut. Made all of steel and has no working parts to wear out. Lasts a lifetime.

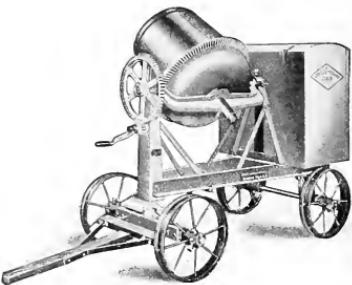
Ask for descriptive Catalogue and special price



CIRCULAR SAW

A Saw is a delicate tool. When you stop to think of the thinness of the metal and the severe work that a saw performs, you can readily understand what we mean when we say that a Saw is a delicate tool.

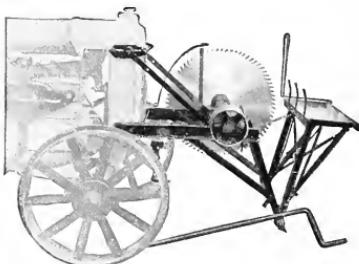
To manufacture a Saw that will give satisfaction out of such a thin piece of steel requires a combination of the best talent, widest experience, large facilities, and the most improved methods of production.



O. & S. CONCRETE MIXER

You've mixed concrete by hand. Enough said! Just what would you have given when you finished your first day's work for a sturdy, farm-size Mixer that would have completed the job in one-third the time and with one-fourth the labor? What would it have meant to you to have had all of the hard work taken care of by a busy little gasoline engine? Perfectly mixed concrete—better concrete—and no backaches, no drudgery for anyone!

Now think of the dozens of concrete jobs that you would like to have done—building fence-posts, silos, well-tops, feeding-floors, foundations, sidewalks—improvements that will add 15 per cent to the valuation of your farm. With a thoroughly reliable farm-size Mixer it's easy work—and quick work. You can save from \$5 to \$18 per day on labor.



STOVER SAW RIG

Take the saw to the wood—Not the wood to the saw

With the Stover Rig attached to your tractor you can take your outfit wherever poles, etc., happen to be, saw them up, and go on. Complete, with belt and 26-in. saw, \$60.

AMERICAN Iron-Frame Horse-drawn Saw Rig, equipped with six horse-power gasoline engine, belt, and 26-in. saw, \$300.

RANDOLPH Saw Tables, including 26-in. Curtis X cut saw No. 2, \$40; No. 4, \$30.

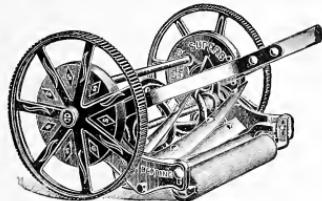
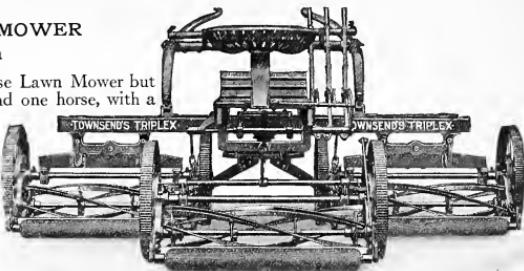
RUBBER BELTING for operating concrete mixers, pumps, saw rigs, etc.

3 inches wide, per foot.....	\$0 45
5 inches wide, per foot.....	70
6 inches wide, per foot.....	1 00

TOWNSEND'S TRIPLEX LAWN MOWER

The Greatest Grass-Cutter on Earth

Here is a Mower much lighter than the ordinary horse Lawn Mower but which cuts three times as wide a swath. One man and one horse, with a Triplex, will cut more grass in a day than three men and three horses with three ordinary horse Lawn Mowers, thus saving the wages of two men, the cost of two horses, and the cost of their care and keep. This Mower will cut a swath 86 inches wide. One man and one horse, with a Triplex, will cut more grass in a day than one man with the best motor Mower ever made, and cut it better, at a small fraction of the cost. Can you ask more? We will let you verify it. It floats over the uneven ground as a ship rides the waves; one Mower may be climbing a knoll, a second may be skimming the level, and a third may be paring a hollow.

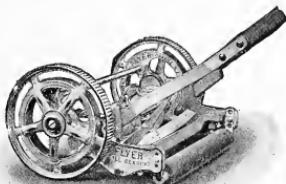
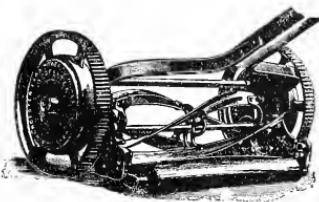
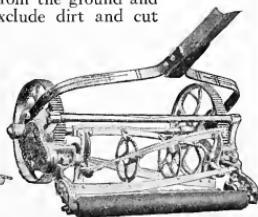


"SUPERB" BALL-BEARING MOWER

A magnificent Mower, with 12-inch wheel and 7-inch reel. It is the only Mower on the market with 12-inch wheel. The large wheel adds to the power and ease of operation. The large reel enables it to cut through grass so high that it would choke most other mowers. It possesses these two great advantages without the disadvantage of extra weight, the strength not having been sacrificed.

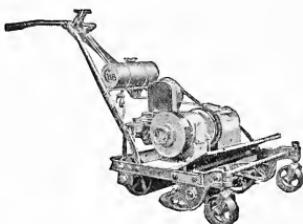
TOWNSEND'S
"FLYER"
BALL-BEARING
MOWER

A good, free-cutting, easy-running Mower, with open wheel and frame, made on the two-gear principle. Gears well up from the ground and fully shielded so as to exclude dirt and cut grass. Has 9-inch wheels, 4-bladed reel, the finest bottom knife and the famous Townsend finish.

GENUINE
PHILADELPHIA
LAWN MOWER

THE LARK MOWER

A low-priced Mower, well made and durable; does good work, is simple in construction, and not liable to get out of order.



CUB POWER LAWN MOWER

The Coldwell Cub is a light, substantially built, power Lawn Mower with a 21-inch detachable front cutting unit and a full-width drive roller. Separate clutches control the cutting unit and the traction roller. The clutch levers are conveniently located on the handle and can be engaged or disengaged with one finger. The drive roller is divided and is driven through a differential so that sharp turns can be made without marking the lawn. Where ground conditions require, wheels can be substituted for the drive roller, making a wheel type mower but retaining the advantages of a removable front cutting unit.

The front cutting unit makes it possible to cut close to trees or walls so that a finished job can be done without the use of a hand mower. The cutting unit can be removed for sharpening or repair without loosening up the cross members of the frame or cutting unit.

In this machine we realize our ideal of a light, strong, easily handled mower, so simple that an inexperienced man can understand and operate it. It is made light and strong by using steel and malleable iron where best adapted. Flexibility in manoeuvring is obtained by proper distribution of weight and mounting on a large drive roller and casters.

COLDWELL Power Lawn Mowers



Ask for descriptive Catalogue and prices

COLDWELL MODEL "L" MOTOR LAWN MOWER AND ROLLER

A practical motor-driven, hand-controlled Lawn Mower with plenty of reserve power, making it possible to cut close up to and around trees, shrubbery, walks, and driveways; to operate efficiently on the smaller areas and at the same time to cut from 4 to 6 acres per day on the larger areas of lawn. In this model is combined the extreme flexibility of the hand Mower with the large cutting capacity, rolling feature, and other advantages and conveniences which can be obtained only with a motor Mower.

Its operation and care are extremely simple and easily understood.

Fuller & Johnson, 4-cycle, water-cooled motor. Bosch magneto. Schebler carburetor. Height of cut $\frac{3}{8}$ to 2 inches. Capacity 6 to 10 acres per day. Fuel consumption 1 gal. gasoline per 10 hours running. Allyn-Zerk force-feed lubrication.

The gasoline tank holds sufficient for full day's cutting.

The new detachable Gang Units for use with the Model "L" increase the cutting width from 25 to 60 inches for cutting the large open stretches of lawn.

The Gang Units are easily attached or detached. The couplings are flexible so that the units readily follow the contour of the ground.

These Gang Units are made so that they can be attached to all Model "L" Motor Lawn Mowers now in service.

COLDWELL ELECTRIC MOWER

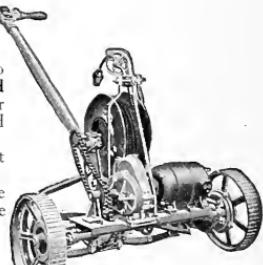
This Coldwell model has been brought out to supply the demand for a simple, inexpensive power Lawn Mower suitable for use on lawns which are not extensive enough to warrant the purchase of gasoline power Mowers. The Electric Mower is **simple, clean, and quiet**, and since its operation requires no knowledge of mechanics or electricity, the owner or any member of the family can mow the lawn without any effort beyond that required to walk along and steer the machine.

The **Electric** mows the lawn quickly and without labor, permitting of more frequent cutting and finer results.

It is equally suitable for the city or suburban resident with lawns covering one or more city lots, or even half an acre or more. A simple, efficient, inexpensive, and dependable power Mower which eliminates entirely the drudge of mowing the lawn by hand.

"As easy to operate as a Vacuum Cleaner"

Five blades. Timken tapered roller bearings. Allyn-Zerk force-feed lubrication. Gears run in oil. $\frac{1}{2}$ H. P. General Electric Universal Motor, for either direct or alternating current; 110 volts. Fuel consumption about the same as an electric iron. Automatic reel, with 150 feet of supply cable. Width of cut, 21 inches.



Ask for descriptive Catalogue and prices

Thompson's Wheelbarrow Sower (FOR FIELD, PARK, AND ESTATE SEEDING)

The hopper on this Seeder is double and will do a large range of work. It sows all small seeds like clover, timothy, Hungarian rape and flax, in any quantity from 6 to 40 quarts to the acre, and millet 3 to 24 quarts to the acre. It also sows chaffy seed like red-top, orchard grass, clean blue grass, any quantity desired to the acre; sows uniformly whole length of box, 14 feet. Especially adapted to the requirements of the New England states.

Greens, fairways, and lawns must be evenly seeded to get a smooth, uniform growth of grass. The only sure method is to use a machine with a positive, accurately controlled, force feed.

The Thompson's "Golf Special" Wheelbarrow Seeder, illustrated, is built especially for this work. It is sturdy, reliable, and quite inexpensive. It is simple in operation. It has no gears, cams or rat-trap machinery to get out of order.

No. 95 "Golf Special" Grass Seeder. Sows swath 14 feet wide.

Grain Seeder Box. 10 feet for sowing all kinds of grain.

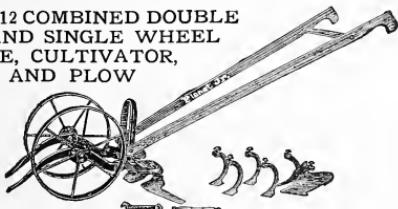
Ask for descriptive Catalogue and prices



Planet Jr. Garden Tools

The New "PLANET JR." Catalogue is the handsomest, best, and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

No. 12 COMBINED DOUBLE AND SINGLE WHEEL HOE, CULTIVATOR, AND PLOW



This tool is identical with No. 11 Double Wheel Hoe, except that it has one pair plows, one pair hoes, four cultivator teeth, and a pair of leaf-lifters only, and is sold at a correspondingly lower price.

No. 13 COMBINED DOUBLE AND SINGLE WHEEL HOE

This tool is the No. 11, with 6-inch hoes only, these being the tools that are most used. Any or all of the other attachments shown with No. 11 may be added at any time.

No. 16 PLANET JR. SINGLE WHEEL HOE, CULTIVATOR, RAKE, AND PLOW



These Single Wheel Hoes are the highest type of their class. They have a great variety of attachments, and there is scarcely any garden culture of which they are not capable.

Nos. 16, 17, 17½, and 18 have the same steel wheels, frames and handles, but the attachments sold with each vary.

All attachments are of a special pattern, carefully tested by practical men; no others ever offered compare with them. All the steel parts are high carbon steel, oil-tempered, and specially hardened, finely formed, finished, and polished **and work to a charm**. Everyone who cultivates needs one.

No. 17 PLANET JR. SINGLE WHEEL HOE

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has an outfit sufficient for most garden work. Weight, 24 pounds.



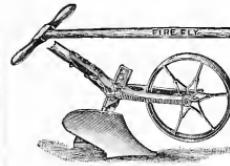
No. 18 SINGLE WHEEL HOE

This has one pair of 6-inch hoes only—the tools that are most constantly useful throughout the season. Other attachments can be added as needed. Weight, 19 pounds.



FIREFLY PLOW

This tool will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep, and deeper by going twice. Furrows for manure or seeds can be opened and covered. In cultivating, plow away, weed the row and plow back again. This tool will enable a busy man to do in his spare minutes nearly all the work of a family garden. Chicken-raisers find it of great advantage in plowing up their scratching-yards. Weight, packed, 14 pounds.

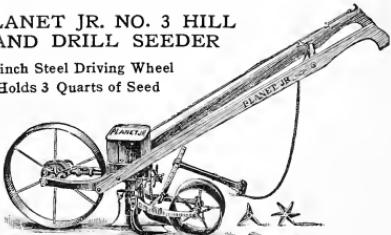


NEW STYLE STAR PULVERIZER AND CULTIVATOR

A very handy tool for the flower- and vegetable-garden. Cut 7½ inches and can be used where plants are very close. The star discs break up the soil, while the oscillating blade—which works backward and forward—pulverizes the soil and cuts off the weeds directly beneath the surface. Will cultivate your garden directly after a rain without leaving the soil in a lumpy condition.

PLANET JR. NO. 3 HILL AND DRILL SEEDER

15-inch Steel Driving Wheel
Holds 3 Quarts of Seed



A favorite among onion-growers, market-gardeners and seedsmen. Weight, packed, 44 pounds

The No. 3 driving wheel is steel, with heavy forged steel spokes, not "piano wire;" of proper height, with broad face, making the tool light and easy running, even with the hopper filled to the brim.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper.

The hill dropping is simple and reliable, making hills 4, 6, 8, 12, or 24 inches apart.

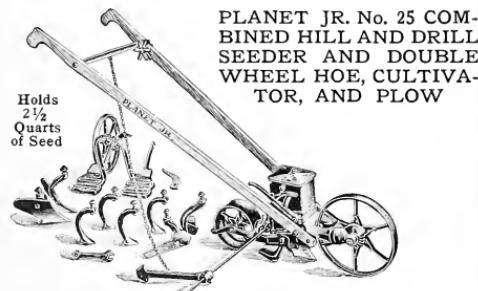
PLANET JR. NO. 5 HILL AND DRILL SEEDER

16½-inch steel wheel. Sheet-steel hopper holding 5 quarts. Built on the same lines as No. 3 Drill, only larger. Weight, packed, 52 pounds.



PLANET JR. No. 4
COMBINED HILL AND
DRILL SEEDER,
WHEEL HOE, CULTI-
VATOR AND PLOW
Holds 2½ Quarts of Seed

This tool combines in a single, convenient implement, a capital hill-dropping seeder, a continuous-row seeder, an admirable single wheel hoe, an excellent furrower, a capital wheel cultivator and a rapid and efficient wheel garden plow. In a word, with a great variety of tools, excellent in design and quality, it is without an equal for easy adjustment, lightness, strength, and beauty. It is a practical, everyday time-, labor- and money-saver. It sows in continuous rows with great uniformity, and drops with accuracy in hills, 4, 6, 8, 12, or 24 inches apart. **The feed is automatically stopped by raising the handles, and started by lowering them.** Weight, 49 pounds.



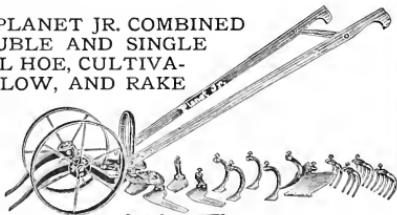
PLANET JR. No. 25 COM-
BINED HILL AND DRILL
SEEDER AND DOUBLE
WHEEL HOE, CULTI-
VATOR, AND PLOW

Holds 2½ Quarts of Seed

This new combined machine is intended for gardeners who have a large enough acreage in crops for a Double Wheel Hoe to be used to good advantage, and yet prefer not to buy seeders and wheel hoes separately.

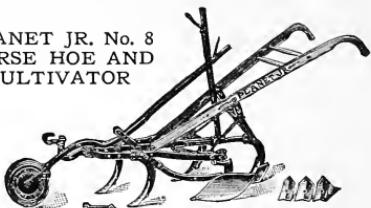
As a seeder it is practically the same as the **Planet Jr. No. 4**; will sow in drills any thickness, or drop in hills 4, 6, 8, 12, or 24 inches apart, and has the same feed, hill-dropping mechanism, and **automatic device** for stopping the feed, and has also the new seed index. It is thoroughly substantial and is accurate in planting all kinds of garden seeds in either hills or drills. Weight, packed, 59 pounds.

No. 11 PLANET JR. COMBINED
DOUBLE AND SINGLE
WHEEL HOE, CULTI-
VATOR, PLOW, AND RAKE



A Double and Single Wheel Hoe in one. 14-inch steel wheels for 1918. Straddles crops till 20 inches high, then can be worked between rows with one or two wheels. The **hoes** are wonderful weed-killers and leave the ground almost level.

PLANET JR. No. 8
HORSE HOE AND
CULTIVATOR



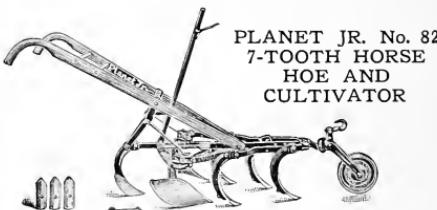
A great favorite, being complete and easily operated. Especially strong and intended for long-continued service. Equipment consists of four 3 x 8-inch cultivator steels; one 12 x 8-inch cultivator steel; two 6-inch hillers; one 7-inch shovel; lever wheel; lever expander; depth regulator. The teeth are regular Planet Jr. beveled steel type, thickest in the center where wear is the hardest. Handle adjustment up or down for height, and an important side adjustment. Invaluable in cultivating almost every crop grown in rows. Weight, 83 pounds.

PLANET JR. No. 7 HORSE HOE

The No. 7 Horse Hoe is the No. 8 without the depth regulator. It works the same as the No. 8 in every way, except that it lacks the steadiness and easy control of depth made possible by the depth regulator.

No. 9 PLANET JR. HORSE HOE

A very popular tool which is identical with the No. 7, except that it has a plain wheel instead of the lever wheel. Popular because of its strength, lightness, easy change of width, and perfection of work. Handles adjustable in height and sidewise. Equipment as shown in cut offers a tool which will always be useful. Will stand incredible strain; you can cultivate to any reasonable depth with it, and adjust for any useful width.



A comparatively new combination of Horse Hoe and Cultivator that has become very popular during the few years that it has been on the market. It has all the advantages of our No. 9 Horse Hoe; its reversible side standards can be turned to any angle desired. The seven teeth insure fine and thorough cultivation. Will take all the extra attachments which fit our Nos. 7, 8, and 9 Horse Hoes, and the whole combination is one which is valuable for hoeing, hillling, and thorough cultivating.

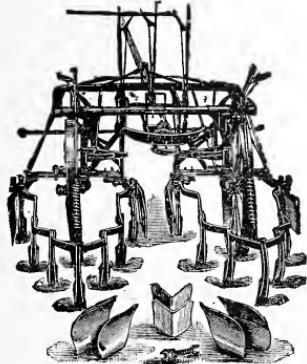
No. 83 PLANET JR. 7-TOOTH PLAIN CULTIVATOR

In the opinion of those who ought to know, it is the coming one-horse Cultivator. The seven teeth instead of the ordinary five are 2½ inches wide, and their work is finer and more thorough than that of the 5-tooth Cultivator. A favorite where fine cultivation is essential. Finishes all rows up to 42 inches apart, and will work the middles complete in one passage. Can be run deep or shallow. Takes extra attachments shown on pages 63, 64, and 65 of the Planet Jr. Catalogue.

PLANET JR. 12-TOOTH HARROW, CULTIVATOR, AND PULVERIZER



Gardeners cultivate better than formerly. It has been found to pay best. With the 12-tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry-growers, market-gardeners and truckers.



PLANET JR. No. 72 TWO-ROW PIVOT-WHEEL CULTIVATOR, PLOW, FURROWER AND RIDGER

With the improved No. 72 we complete the cultivation of two rows at one passage, at all widths from 28 to 44 inches inclusive, and the implement is especially built to do this **when the rows are irregular**. This tool is so designed that the operator can make changes in width of gangs instantly while in motion, by means of a handy lever for each gang, so as to accommodate the machine perfectly to rows which vary greatly in width. The wheels and gangs can be easily changed for crops planted different widths apart.

DOUBLE CELERY HILLERS

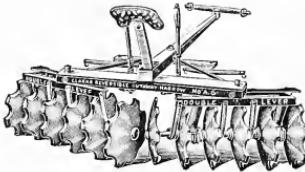
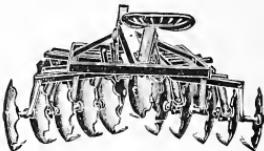


These are now considered indispensable. The leaf-lifters are adjustable in height by bending slightly, and are especially valuable for first workings. With their aid some of our best and largest growers hill their celery **without any handling**.

See the 1928 Planet Jr. Catalogue for full description of tools above.
Mailed free on application. See also pages 61 and 62

CLARK'S DOUBLE-ACTION CUTAWAY HARROW

The cut represents the A-5 Double-Action Cutaway Harrow with short head and jointed pole. This is the popular two-horse size. We also sell sizes from 3 to 12 feet, with 16-, 18-, or 20-inch cutaway discs.

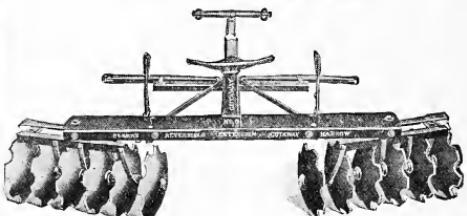
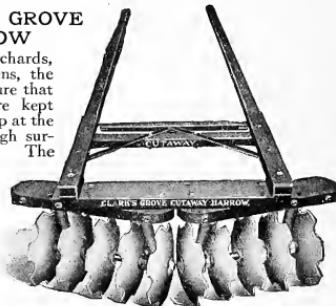


CLARK'S SINGLE-ACTION REVERSIBLE CUTAWAY HARROW

The cut represents the 6-foot Double-Lever Reversible Cutaway Harrow. They are made from 4 to 12 feet in width, and are reversible up to 7 feet.

CUTAWAY GROVE HARROW

In many orchards, groves, and gardens, the soil is of such nature that often Harrows are kept from going too deep at the sacrifice of thorough surface cultivation. The Cutaway Grove Harrow overcomes this difficulty.



CUTAWAY EXTENSION-HEAD SINGLE-ACTION HARROW

To the orchardist the Cutaway Extension-Head Single-Action Harrows are fast becoming the most indispensable tools they use. When the farmers of every class fully understand the soil and realize the importance of intensive tillage, they will recognize how they can increase their crops with Cutaway Single-Action Harrows.

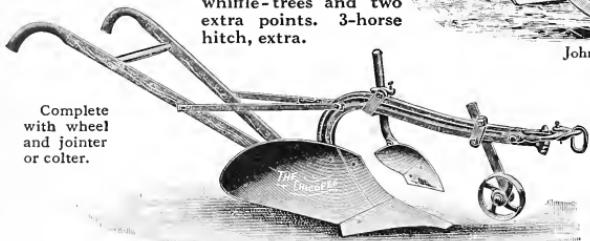
AGRICULTURAL IMPLEMENTS, ETC.

AT LOWEST MARKET PRICE

JOHN DEERE REVERSIBLE
SULKY PLOW

The John Deere is constructed on the mechanical principle that it is necessary to have the beam, landside, wheels, and pole running in line, so that all tendency to side draft is obviated. The efficiency of this Sulky is further increased and the draft greatly lightened by means of the automatic pole adjuster, found only in this Plow, as all side strain upon the team is avoided and the operator is enabled to regulate the width of furrow, plow around curves, or obtain the full width of furrow, in plowing side-hill land. Complete, with every-

whiffle-trees and two extra points. 3-horse hitch, extra.



No. 100 Chicopee Plow

times, and lessens the draft. Landsides and shares to

THE OLIVER PLOW

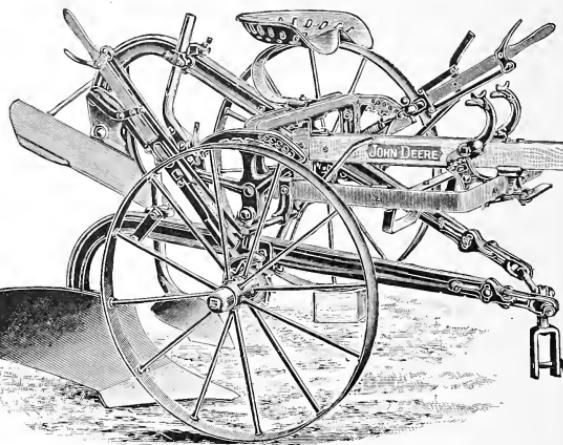
Chilled Plows were developed for use in those sections where a general-purpose Plow must plow sod, raw land, clay, sandy land, clay loam, extreme cobblestone or flat stone land and shale. Their success in these conditions is attested by their numerous users today.

The long, gently curved, high-lift moldboard turns the deep furrow-slice completely over, thoroughly pulverizing the soil and covering the trash. With each new share, which is of the cutter type, the shin of the moldboard is renewed. The bottoms are substantially braed to form a rigid construction and reduce possibility of breakage. The

long chilled landside is flanged to hold the Plow in the ground and make it steady running, even in stony ground. Hanging or rolling colter, gage wheel or jointer, furnished extra on order.



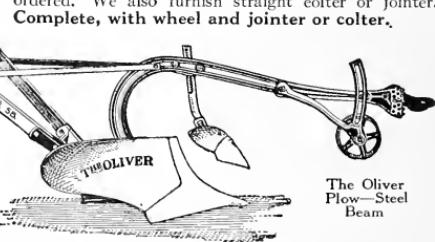
The Oliver Plow—Wood Beam



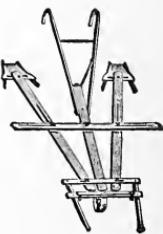
John Deere Reversible Sulky Plow

No. 100 CHICOPEE PLOW

No. 100 is made in similar lines to the Chicopee of previous years but with a shorter blade, moldboard and landside, as this Plow is intended more particularly for use in rough or stony ground where a quick entrance or exit is of great advantage. The moldboards are of hardened soft-center steel with east shin-piece. This makes it easy and inexpensive to have a good cutting edge to the moldboard at all cast iron. We furnish plain or colter shares as we also furnish straight colter or jointer etc., with **wheel and jointer or colter.**



The Oliver Plow—Steel Beam



THE GOSLEE
IMPROVED FIELD
MARKER

A first class three-row Marker, suitable for marking out land for rowed crops of any kind.

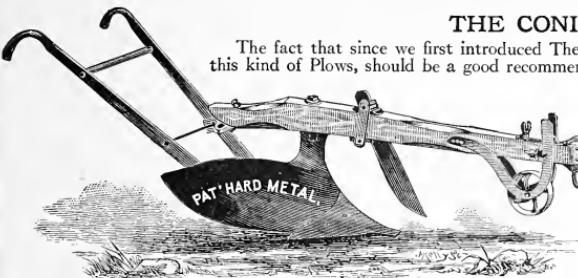
THE CONICAL PLOW

The fact that since we first introduced The Conical we have made and sold over 15,000 of this kind of Plows, should be a good recommendation for it. The demand for this Plow shows the strong hold it has among the farmers.

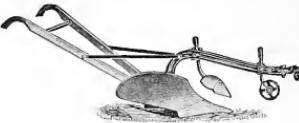
1-Horse, Plain, No. 2, and 2½.

No. 4, 2-Horse.

All two-horse Plows with Wheel and Cutter.



The Conical Plow



Syracuse Two-Horse Landside Plow

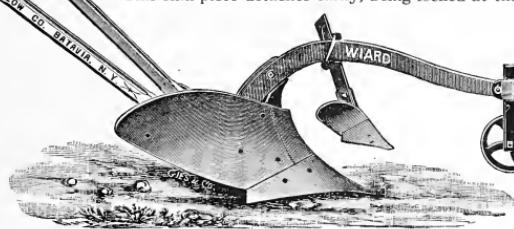
SYRACUSE TWO-HORSE LANDSIDE PLOW

We carry a full line of these Plows and would call your attention to the No. 62. These Plows are modeled after the Nos. 31 and 32, but are made with a removable chilled iron shin-piece. This shin-piece detaches easily, being locked at the lower point and held in place by one bolt.

Made with a highly tempered soft-center steel moldboard only. In this Plow we have a combination of strength, durability, light draft, and excellent turning capacity at a low price.

No. 32. Wheel and Cutter.

No. 452. Wheel and Cutter.



Wiard Steel Beam—Two-Horse Plow

Beam. Forged steel, one piece.

Moldboard. Chilled iron or soft-center steel, highly polished.



Wiard Steel Beam—One-Horse Plow

WIARD STEEL BEAM—ONE-HORSE PLOW

Right-Hand Chilled or Steel Moldboard, fitted Jointer or Steel Knife Colter

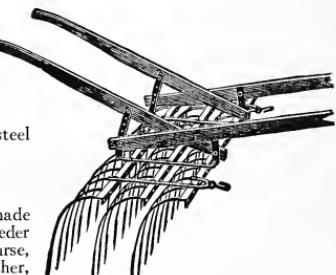
No. 74. One-horse, 4 to 7 inches deep, 6 to 11 inches wide; 84 lbs. with Clevis.

No. 75. One-horse, 4 to 7 inches deep, 6 to 10 inches wide; 80 lbs. with Clevis.

All parts of the two Plows are interchangeable. This series of Plows, with steel beam, is of a late pattern; very light, trim, strong, and durable and ready sellers.

HALLOCK SUCCESS WEEDER

Teeth are separately removable. Handles and shafts adjustable. Teeth are made of flat spring-steel (round at lower end). The frame is angle steel, giving the Weeder by far the best frame on the market. It weighs no more than wood and is, of course, better in every way. Each tooth is secured to the frame independently of the other, hence you can in about two minutes remove the teeth over the rows if you wish, and in some cases this is very desirable.

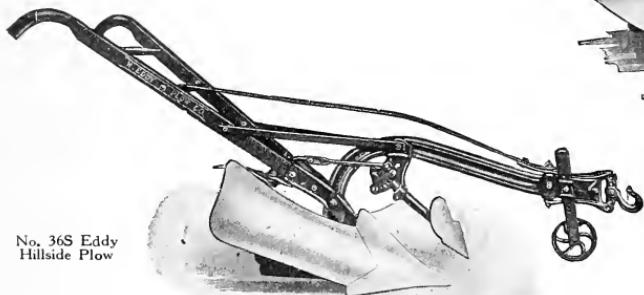


Hallock Success Weeder

EDDY PLOWS

The No. 4S Plow is a model especially adapted for work on the rough, stony farms of the eastern states. Built to withstand the strains and wear of our hill farms, it has never been excelled for this class of work.

Moldboards are furnished of highest grade soft-center steel, open-hearth steel, or chilled iron, enabling a dealer to carry three different-priced Plows with but one line of extras.



No. 36S Eddy Hillside Plow



No. 6 Eddy Plow

This cut shows the Plow equipped with colter and with jointer.

While intended primarily for hill-side work, its moldboard is so modeled that it will run evenly and turn a furrow equal to any flat land plow.

We also carry the Eddy one-horse, No. 52L, Wood Beam and C6 Steel Beam Plows.

JOHN DEERE SPREADER

A Revolution in the Art
of Spreader Building

Beater on axle makes it easy to assemble; easy to load—36 inches high; easy to operate—only two levers.

Rotary rake insures uniform spreading and reduced draft.

Ball-bearing eccentric and positive ratchet feed insure easy and uniform operation of steel-link apron under all conditions.

Rear wheels 48 inches high—proper traction, light draft.

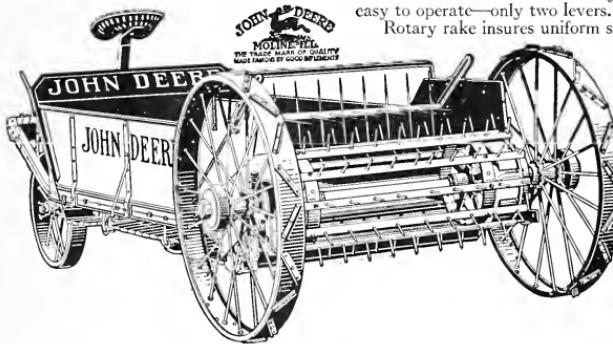
All-steel, 10-bar beater mounted on roller bearings—practically indestructible on easy running.

Beater driving gears simple and durable, like triple gear horsepower—run in oil.

Shock-absorbing spring relieves Spreader and team of sudden strains.

Cold rolled steel axle, mounted in self-aligning bearings, stays put, and runs easy.

High carbon-steel frame, well trussed, carries heavy loads and working parts without sagging.



No exposed wearing parts—no chains—no clutches—no adjustments.

Straw Spread Attachment makes a practical Straw Spreader—spreads all kinds of straw in any condition.

INTERNATIONAL CULTI-PACKER THREE TOOLS
IN ONE

This is one of the best built machines that ever helped the farmer to get a bumper crop. The frame is made of heavy angle steel bars, bolted fast. Two Channel steel bars run diagonally from the tongue across the frame. It takes the place of the old roller. This is not only a clod crusher, but a pulverizer, packer, and cultivator. This machine is practically indestructible and will last a lifetime. Length 54 inches. Weight 560 pounds.

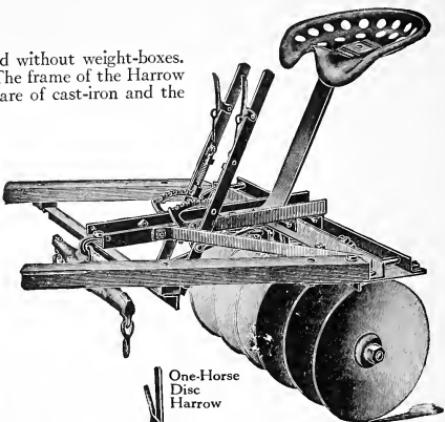
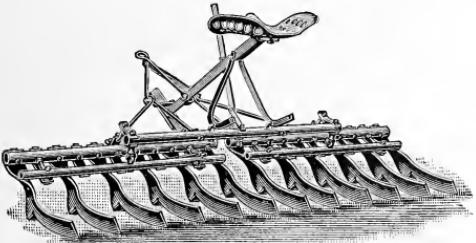


International Culti-Packer

ONE-HORSE DISC HARROW

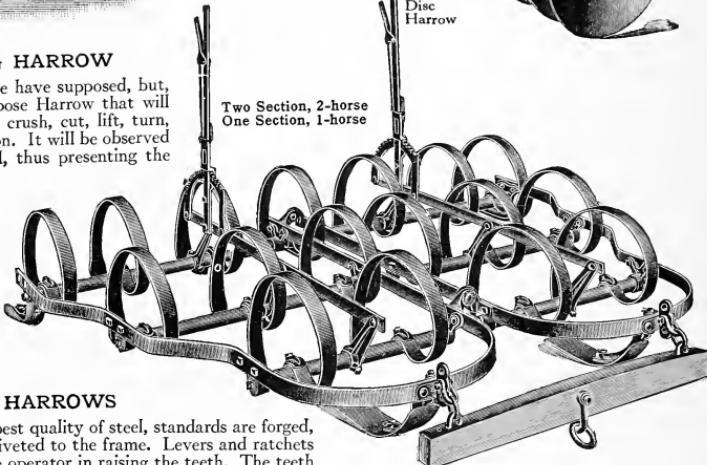
This Harrow is built with eight discs, 16 inches in diameter, and without weight-boxes. It is a light-weight Disc Harrow for farmers using but one horse. The frame of the Harrow is made of steel angle-bars, very strong and stiff. The standards are of cast-iron and the discs are of the same quality as is used on our larger Harrows.

The Two-Horse Harrow has 12 discs, 16 inches diameter.



ACME PULVERIZING HARROW

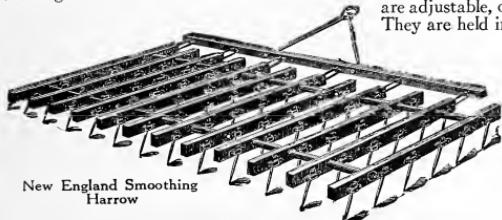
This is not a special tool, as some have supposed, but, as its name implies, a general-purpose Harrow that will do the whole business, viz.: It will crush, cut, lift, turn, smooth and level, all in one operation. It will be observed that the colters all slope backward, thus presenting the least possible resistance, and as they are beveled and ground to an edge, the draft is reduced to a minimum. Being made entirely of cast steel and wrought iron, it is practically indestructible. Nothing but the colters can possibly wear, and these are readily replaced at a trifling cost.



SPRING-TOOTH HARROWS

These Harrows are made of the best quality of steel, standards are forged, and high-carbon steel runners are riveted to the frame. Levers and ratchets are forged steel and bent to aid the operator in raising the teeth. The teeth

are adjustable, of heavy steel and of a large curve which gives free vibration. They are held in place by a forged steel clip, passing around the tooth.



New England Smoothing Harrow

NEW ENGLAND SMOOTHING HARROW

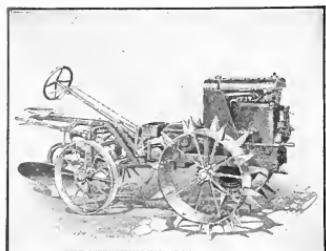
One of the best Smoothing Harrows on the market. The teeth are $\frac{1}{8}$ inch mean diameter and are attached to the side of the bars by a malleable clasp, and are so arranged that by hitching to one end of the Harrow the teeth pull slanting; by hitching to the other end the teeth pull straight.

The Midget Seeder
For Small Farms
and Home-Gardens

THE MIDGET SEEDER

Will pay for itself in a very short time, because it saves seed by sowing accurately. Sowing by hand wastes seed. It is very easy to operate and drills almost any kind of garden seed from the smallest up to peas and beans. The index is in plain view and easily adjusted. The shoe is adjustable for any depth desired, and the coverer swings free. The Midget opens the furrow, sows the seed, and covers up, all in one operation. It is sold with handle complete or may be easily attached to almost any wheel cultivator with one bolt. After a fair trial last season it has our full indorsement.





Model G

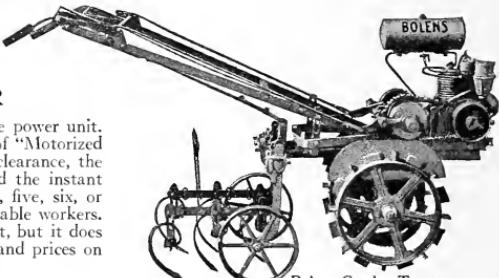
THE CENTAUR FARM TRACTOR

The Model G 10-5 H. P. Centaur is a light farm Tractor of wide utility range. The Centaur plows, harrows, seeds, mows, hauls, and furnishes belt power. The Model G Centaur will do all the power work on the farm having as much as 50 acres under cultivation.

A 12-inch Plow is used with the Centaur and about $2\frac{1}{2}$ acres can be plowed in nine hours. The Centaur is the highest type power unit for cultivating purposes and will do more and a better job of cultivating than can be done with a team. In all work the Centaur operates at a cost of about 15 cents an hour.

In all kinds of work the Centaur is easy to operate and does the job quicker, easier, better, and at a less cost than it can be done in any other way.

Special catalogue and prices will be mailed to you on request.

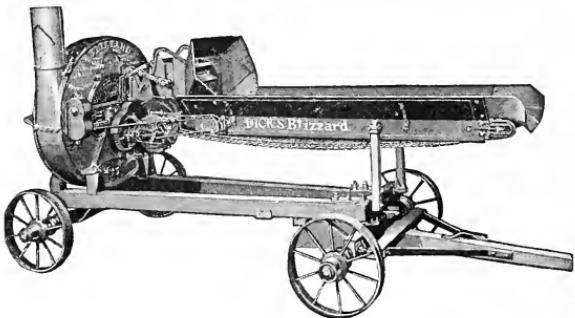


Bolens Garden Tractor

BOLENS GARDEN TRACTOR

This marvelous little tractor is much more than a mere power unit. Its lightness and flexibility have earned for it the name of "Motorized Wheel Hoe." Among its most important features are its clearance, the simple and complete control of tools, the power turn and the instant change of attachments. The Bolens will multiply by four, five, six, or seven, the skill and experience of your best and most desirable workers. Not only does it accomplish greater results with less effort, but it does the work better and more thoroughly. Special catalogue and prices on application.

BLIZZARD ENSILAGE CUTTER



At last—A Self-feeding Cutter—Biggest Ensilage Cutter improvement of years

The patented automatic feeding device in use on the latest model of Dick's Blizzard Ensilage Cutter puts this original and old reliable Cutter still further in the lead.

The double-feed feature results in big increase of capacity with easier feeding. It makes Dick's Blizzard Cutters absolutely self-feeding and saves one to three men.



Steel Land Roller

STEEL LAND ROLLERS

Our Steel Land Rollers are the most popular in the market today. Their construction is that which makes them the strongest, most durable, and easiest-draft Roller in use today. Roller-bearing and closed ends.

One-horse, 6 feet, 2 sections, 2-foot diameter.

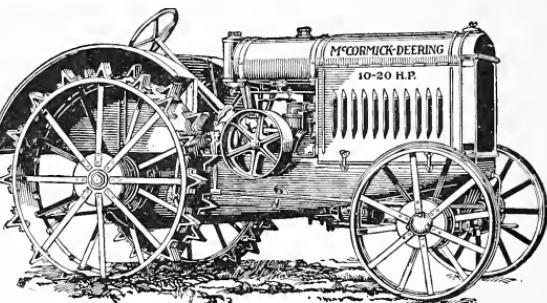
Two-horse, 8 feet, 3 sections, 2-foot diameter.

McCormick-Deering Tractors

McCormick-Deering 10-20 h. p. and 15-30 h. p. Tractors embody the most modern design and practical developments in the Tractor industry. Tractor power and profitable production of crops go hand in hand. The better the power, the greater the production, resulting in more profits.

Good seed-bed preparation is always desirable, and experience shows that it pays well to do a good job. Here again the Tractor farmer has the advantage because he can not only do more work but can do it better. With Tractor-drawn implements, which are much heavier and stronger, he can work the soil to the proper depth and make the seed bed to his liking. He can do just as fast and just as good work the last hour of the day as the first. There is no slighting or skimping; the whole field is all done the same.

McCormick-Deering Tractors are triple-power. The amount of actual service you get from your Tractor depends on the number of ways you can use it—the number of ways it delivers power for useful work. It is only natural then that a triple-power Tractor—one that delivers useful power on the drawbar, the pulley, and also directly to the pulled machine by a power take-off, is more valuable and serviceable to its owner than one that does work only on the belt and drawbar. You have power as you need it.



McCormick-Deering 10-20 Horse-Power Tractor

The efficient lubrication system will enable the Tractor owner to get more satisfactory service and more productive power from his Tractor.

The powerful engine is of the vertical, 4-cylinder, valve-in-head type. The pistons are long, and provided with four piston rings and two oil grooves. This is considered the very best type of piston construction.

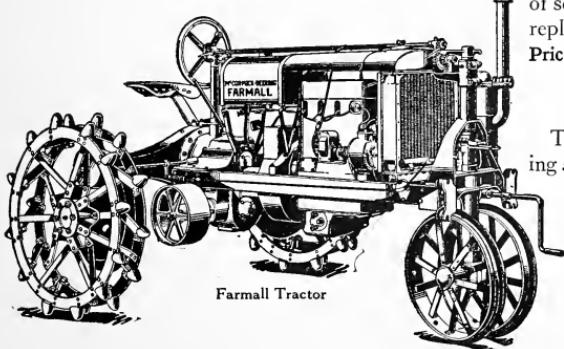
McCormick-Deering Tractors combine the right amount of weight with the power of the engine. Proper weight is very important. It insures the right amount of traction to get the best results on drawbar work.

Other important features of the construction are the thermo-siphon cooling system, durable dry-disc clutch, selective transmission, the accessibility of all working parts, etc. All wearing parts are replaceable. This means that after years of service the parts that may show wear can be replaced on the farm at small cost.

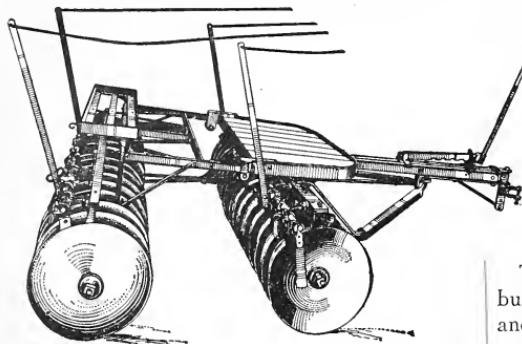
Prices and illustrated catalogue on McCormick-Deering Tractors sent on request

Farmall Tractor

The Farmall is the practical power for planting and cultivating corn and other row crops. It will do all ordinary tractor work and in addition do the planting and cultivating. It not only supplies an abundance of power for plowing, discing, culti-packing, harrowing, harvesting, and haying, but it is so constructed that it will do the planting and cultivating of such row crops as corn, vegetables, etc.



Farmall Tractor

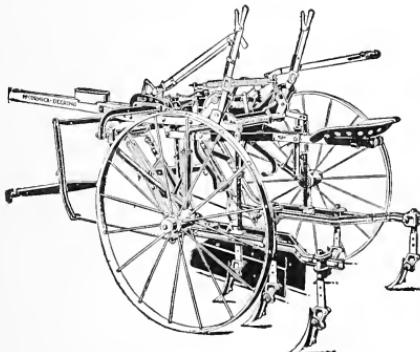


McCormick-Deering Tractor Disc Harrow

McCORMICK-DEERING TRACTOR DISC HARROW

The McCormick-Deering Tractor Disc Harrow is built to stand up to the heavy work which a tractor-drawn harrow is likely to be called upon to do. The side and front frame are made of one piece of heavy steel securely riveted at the corners. The stub tongue comprises two steel angle bars, completing a front frame that is extremely strong and rigid. The rear frame consists of a rigidly braced and cross-braced horizontal frame securely attached to the heavy rear gang arch.

This harrow is built for long service and

McCormick-Deering New 4-Pivot Axle Cultivator
For description see page 71

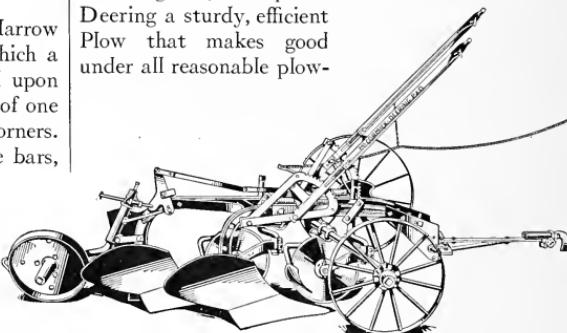
is so constructed that it is rigid while working but flexible when turning.

The McCormick-Deering Tractor Disc Harrow is built in 5-, 6-, 7-, 8-, 9-, and 10-foot sizes and equipped with 16- or 18-inch discs. There is a size to suit any tractor.

Ask for special catalogue and prices

McCORMICK-DEERING P. & O. TRACTOR PLOWS

The McCormick-Deering Tractor Plow is built for use with small tractors. Sturdiness and dependability are combined with light weight, light draft, and low price. Heat treating parts subject to strain, simplification of design, and the intelligent employment of material, placing weight only where necessary to strengthen, have produced in the McCormick-Deering a sturdy, efficient Plow that makes good under all reasonable plow-



McCormick-Deering Tractor Plow

ing conditions. A single trip rope enables the plowman to get the bottoms into or out of the ground at will. Plenty of clearance between the bottoms, and under the beams, and under the bottoms when they are raised, enables this Plow to do good work in trashy ground.

Sizes and Equipment: Made in 2-furrow only with 14-inch bottoms. Stubble, Scotch Clipper or Black-Land bottoms with quick-detachable shares or Slat or Breaker bottoms with bolted shares. Combination colters and jointers furnished. Alfalfa or Cobblestone shares supplied on special orders. A rear-wheel attachment and weed hooks are supplied at additional cost.

Have our Demonstrator call on you. Special catalogue and prices on application

McCORMICK-DEERING NEW 4-PIVOT AXLE CULTIVATOR

With 6-shovel, Steel-Beam, Pin-Break, Slotted Shank Gangs, Pictured on page 70

The McCormick-Deering New 4-Pivot Axe Cultivators are adaptable to all row crops and can be supplied with a wide range of gang and shovel equipment. Each gang has a double steel beam connected by broad couplings to a movable steel bar which is suspended from a steel I-beam riding on two long rollers, one at each side of the frame. As the gangs are shifted by pressure on the foot

pedals their weight moves on these rollers and almost no effort is required to control them, even in crooked cross cultivation.

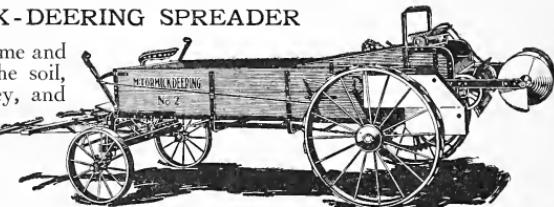
Ask us for prices and special catalogue describing the McCormick-Deering New 4-Pivot Axe Cultivator, the gang and shovel equipment and fertilizer attachment.

McCORMICK-DEERING SPREADER

A McCormick-Deering Spreader saves time and labor, spreads manure evenly, enriches the soil, increases the yield of crops, makes money, and takes drudgery out of work. This Spreader is easy-pulling and light in draft, because it spreads wide from a box that tapers 1½ inches from front to rear, the rear end being wider than the front which prevents the manure from lodging against the box sides.

Power is transmitted from both ends of the rear axle; rear wheels track with the front wheels, helping to reduce the draft.

McCormick-Deering Spreaders are short-coupled and have auto-turn steering device, permitting short turns in cramped or close quarters, powerful, steady double ratchet feed, all-steel frame to which all working parts are attached, two steel beaters working from both top and bottom of the load,



McCormick-Deering No. 2 Spreader

thoroughly shredding the manure, widespread spiral and six speeds for the apron which can be regulated without stopping the team.

McCormick-Deering Spreaders are made in two sizes:

No. 1. Two-horse; capacity 50 to 60 bushels.
No. 2. Three-horse; capacity 65 to 75 bushels.

The easy-pulling McCormick-Deering Spreader helps to make more money per acre regardless of market prices.

McCORMICK-DEERING POTATO PLANTER WITH FERTILIZER ATTACHMENT

The McCormick-Deering planter embodies new features which add to its ability to plant cut seed and small whole seed with a high degree of accuracy.

It can be furnished either with or without the fertilizer attachment. The seed hopper holds about three bushels. A corrugated feed wheel in the bottom of the hopper works the

seed from the hopper into the feed chamber as needed. Improved picker arms catch the seed and convey it a piece at a time to the discharge boot, which conveys it to the furrow.

The furrow opener and covering disks are raised or lowered together, and the planting mechanism is started or stopped automatically as they are raised or lowered.

REGULAR EQUIPMENT

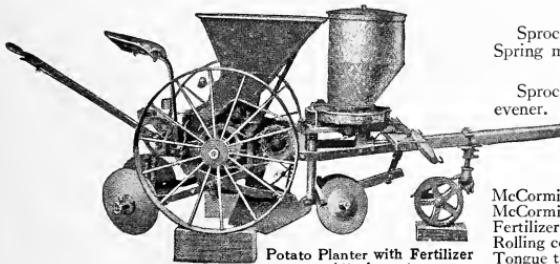
Sprockets for 13 and 15-in. spacing. Disk coverers. Spring marker.

EXTRA EQUIPMENT

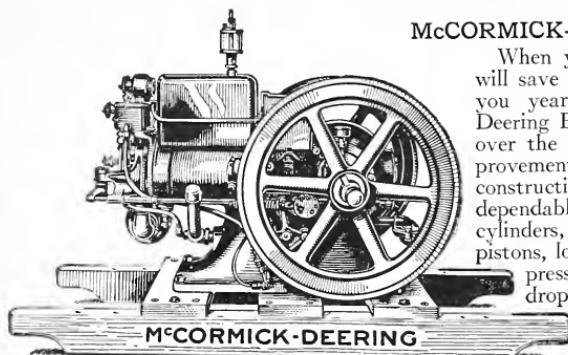
Sprockets for 9, 11, 17 or 20-in. spacing. Two-horse evener. Neckyoke. Fertilizer attachment. Tongue truck. Rolling coulter for plain planters.

SPECIFICATIONS

Description	Weight
McCormick-Deering potato planter	580 lbs.
McCormick-Deering potato planter, fertilizer attachment	735 lbs.
Fertilizer attachment (crated for shipment)	230 lbs.
Rolling coulter for plain planter	20 lbs.
Tongue truck	40 lbs.



Potato Planter with Fertilizer Attachment



McCormick-Deering Engines, 1½ and 3 H. P. Sizes

REGULAR EQUIPMENT

Magneto; Skids on 1½ and 3 H. P.; Skids on 6 and 10 H. P. when not portable; plain pulley.

A McCormick-Deering Engine will lighten your task and will save you many days of weary, hard work. Ask for special catalogue and prices.

McCORMICK-DEERING ENGINES

When you select an Engine you want one that will save you money in doing your work and give you years of satisfactory service. McCormick-Deering Engines are doing this for their owners all over the country. Every year has seen some improvement which has added to the high quality of construction. Some of the special features on these dependable quality-made Engines are renewable cylinders, valve-in-head construction, close-fitting pistons, long connecting rods, which reduce the side pressure on the pistons to a minimum, strong drop-forged steel crankshafts, large well-made bearings, serviceable magnetos (no batteries are needed), simple hopper cooling system, throttle governor, strong completely enclosed one-piece crank-case, provided with handhole cover and plates which can be removed, thereby making the working parts easily accessible, serviceable oiling system, etc.

McCormick-Deering Engines are built in 1½, 3, 6, and 10 H. P. sizes.

McCORMICK-DEERING ENSILAGE CUTTERS

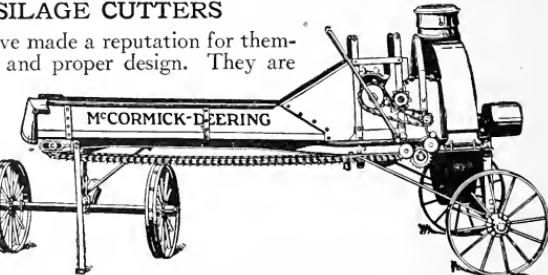
McCormick-Deering Ensilage Cutters have made a reputation for themselves because of their sturdy construction and proper design. They are built of high-grade materials throughout. Steel is used wherever it gives the best service.

There are many splendid features on McCormick-Deering Ensilage Cutters which make them popular with users. For instance, the substantial main frame, steel fly-wheel, knife-on-fly-wheel construction, shear cutting, high throw, large paddle roll, steel conveyor, high and wide feed throat, reversible cutter bar, splendid oiling facilities, and special safety features. Knives can be quickly changed.

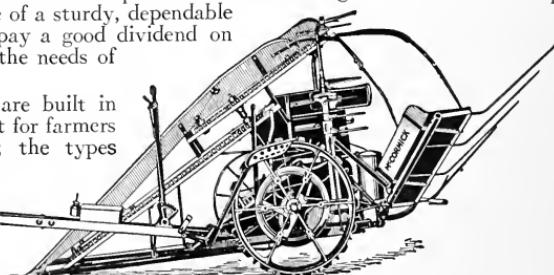
Experience shows that the silo saves from 30 to 40 per cent of the feeding value of the corn crop that would otherwise be wasted. The use of a sturdy, dependable McCormick-Deering ensilage cutter will pay a good dividend on the investment. There is a size to meet the needs of every farm where corn is grown.

McCormick-Deering Ensilage Cutters are built in five sizes: The A, B, and E type are built for farmers who want machines of large capacity; the types F and G are used mainly by the farmer who wishes to fill his own silo without extra help, or where a machine of a smaller capacity than the other types is desirable.

Ask for special catalogue



McCormick-Deering Ensilage Cutter



McCormick Corn Binder. See page 73

McCORMICK CORN BINDER

The McCormick Corn Binder is made to stand up and give long, satisfactory service under all field conditions. It is a light-draft machine, because it is made almost entirely of steel and all the important revolving parts, which are subject to any great amount of friction, are equipped with self-aligning roller bearings. Large lugs on the main wheel insure good traction and the machine cuts both heavy and light corn with equal facility.

The McCormick picks up down and leaning corn, follows rows easily, vital parts are easily accessible, elevator chains gather and hold stalks upright until bound, makes firm, squarely butted bundles, and the reliable knotter ties right every time. It binds tall or short corn. Every lever for the control of the machine while cutting corn in the field is within easy reach of the man on the seat. Ask for special catalogue illustrating and describing these machines.

Tongue, three-horse evener, and tools are regular equipment on McCormick Corn Binders. With high wages, the cost of cutting corn by hand is too great to be practicable. The McCormick Corn Binder will reduce the cost of cutting the corn and will bind it in bundles so that it is easy to handle.

McCORMICK-DEERING MOWERS

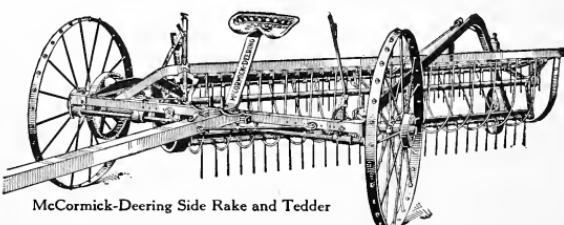
Deering Mowers have a world-wide reputation for light-draft and easy-running qualities. They were the first machines of their kind to be equipped with ball and roller bearings. Deering Mowers are made in three types: Regular lift, vertical lift, and giant or heavy-duty type. Strength has been built into the Deering Mower frame where strength is needed. Water cannot accumulate about the butt of the pole and cause it to rot as the end of the pole is covered by the frame of the Mower. The first step in the transmission of the power from the drive-wheels to the knife is through an internal gear and pinion. This is regarded as an unusually strong and efficient type of drive, because with the internal gear the greater part of two teeth is constantly engaged. The crankshaft retains oil. A wide hinge and rugged construction keeps the cutter bar in alignment. Drag-bar arrangement gives ample traction on rough ground. There are many other good things about Deering Mowers which you should know. Deering Mowers are built in the following widths of cut: Regular and vertical lift, 4½ and 5-foot; Giant Mowers, 4½, 5-, 6, and 7-foot.

Ask us for special catalogue, illustrating and describing these dependable Mowers

McCORMICK-DEERING SIDE RAKE AND TEDDER

The McCormick-Deering Side Rake and Tedder is instantly convertible from a Side Rake to a Tedder by changing the direction in which the reel revolves. One lever controls the direction in which the reel revolves, while another lever sets the teeth at the correct slant for raking or tedding. Roller bearings make the rake exceptionally light draft. The angle steel frame, the rigid bracing, including large truss beam running over the reel, the extra-heavy gears, heavy piping for reel, tooth bars, and the solid steel main axle gives this machine great strength. Reel ends can be raised or lowered to take care of varying conditions of hay or ground.

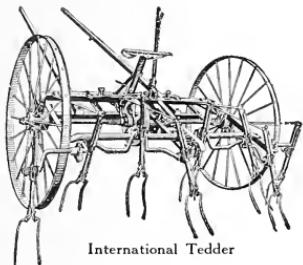
One caster wheel is regularly supplied with the McCormick-Deering Side Rake and Tedder. The pole is regular equipment. Neck-yoke, double-trees, and extra caster wheel may be had on special order at additional cost. A McCormick-Deering Side Rake and Tedder will often make it possible for you to cut hay and get it into the barn the same day. The one machine does two important jobs.



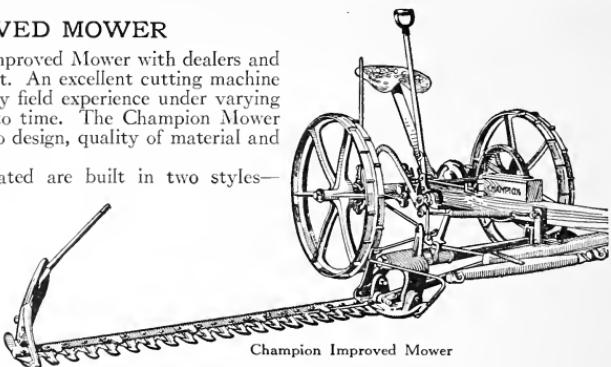
CHAMPION IMPROVED MOWER

The high standing of the Champion Improved Mower with dealers and farmers alike did not result from accident. An excellent cutting machine at the outset, improvements suggested by field experience under varying conditions have been added from time to time. The Champion Mower today will bear the keenest scrutiny as to design, quality of material and workmanship, and all-round efficiency.

The regular lift Mowers here illustrated are built in two styles—Champion Improved Regular Lift, with 4- and 5-foot cuts, and the Champion Improved Big Mower, with 4½, 5, 6, and 7-foot cuts.



International Tedder



Champion Improved Mower

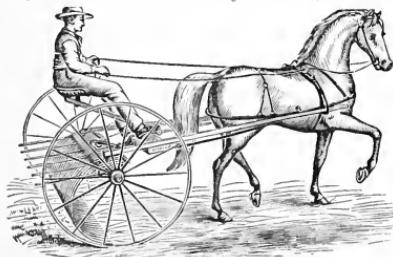
INTERNATIONAL TEDDERS

On International Hay Tedders the forks are provided with long coiled-steel springs which allow them to spring back when an obstruction is encountered. The springs also relieve the Tedder of the strain caused by the rapid movement of the forks. The power is applied from the center of the main shaft, distributing the strain equally over the entire Tedder. The forks have extra-wide bearings and the boxes are easy to remove. Springs between the main and thill frames absorb shock and vibration. Wheels are interchangeable. Clutch and balancing levers are within easy

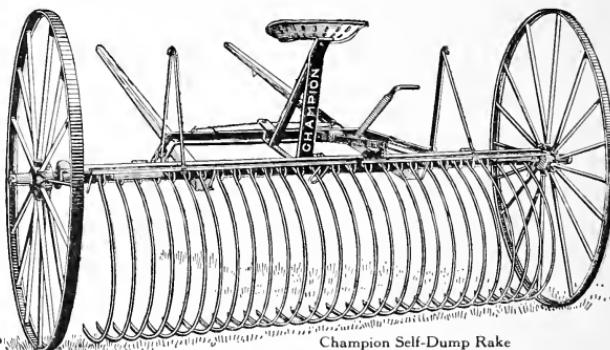
reach of the driver. Seat is adjustable. Fork and main and crank-shaft bearings are supplied with oil-cups. Shafts can be converted into pole for two horses. Made in 6- and 8-fork sizes.

CHAMPION SELF-DUMP RAKE

The Rake here illustrated is built amply strong to handle hay of the heaviest growth. A specially valuable feature is that the tooth-adjusting lever allows the teeth to be set at any desired distance from the ground, this adjustment being made without driver leaving his seat. A locking device relieves the operator of the trouble of holding teeth down when working in unusually heavy hay. No matter how heavy the load, the Rake will not dump until the trip lever is released.



Yankee Horse Rake

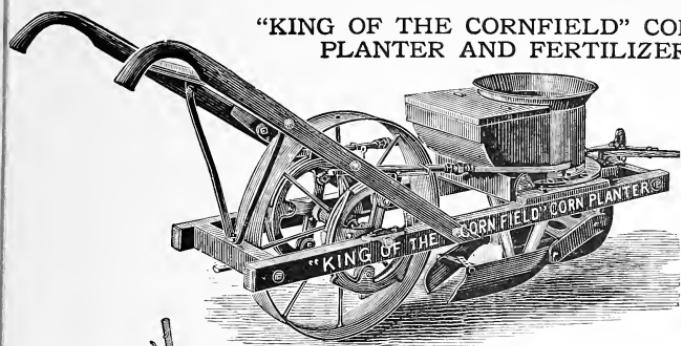


Champion Self-Dump Rake

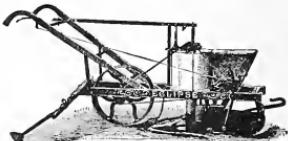
THE YANKEE HORSE RAKE

Some of the leading points of superior excellence found in the Yankee Horse Rakes: Simplicity of construction and facility of management; adaptability to any and all conditions of surface and crops; operated by the power of the horse and the driver's feet; the rake-head is hung so as to balance the teeth; teeth running level with the ground at their points; has more teeth (which are hung nearer together) than any other Rake; all the teeth inserted and removed in less than two minutes' time, without disturbing any bolts; each tooth independent and supplied with a yielding spring that will permit the tooth to pass safely over any obstruction that the axle will pass.

"KING OF THE CORNFIELD" CORN, BEAN, AND PEA PLANTER AND FERTILIZER DISTRIBUTOR

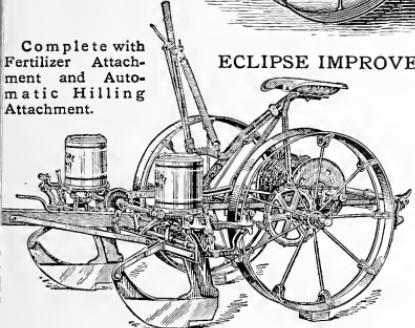


This Planter has proved itself perfectly adapted to every requirement; durable and simple in construction, not liable to get out of order, and anyone can at once understand and manage it.



Eclipse Corn Planter

Complete with
Fertilizer Attach-
ment and Auto-
matic Hilling
Attachment.



Deere No. 999 Two-Row Corn Planter

MCCORMICK-DEERING POTATO DIGGERS No. 5 (Rear Shaker and Vine Turner)

The No. 5 diggers are equipped with rear shaker and vine turner. This equipment is best for normal digging conditions, as the vine turner deflects the vines to the side, leaving the potatoes in a clean neat row behind the digger. Where the soil is sticky or hard to shake out and an extra amount of agitation is required, the extension elevator adds about 3 feet of cleaning capacity and gives cleaner separation of the potatoes from the soil.

The specially designed tongue truck permits the McCormick-Deering digger to be turned in a remarkably short space.

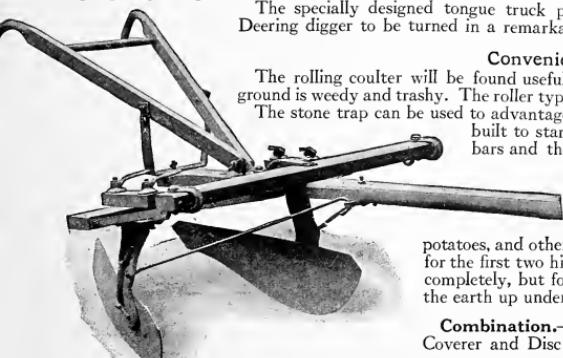
Convenient Attachments

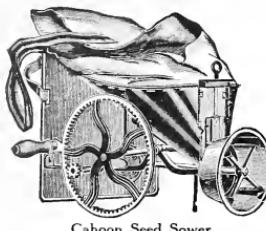
The rolling coulter will be found useful where the vines are green and heavy, or where the ground is weedy and trashy. The roller type tongue truck is an advantage in extremely light soil. The stone trap can be used to advantage on stony ground. McCormick-Deering diggers are built to stand hard work. The frame is of heavy angle-steel bars and the sides are made of heavy steel plates. The whole frame is solidly braced to resist excessive strain.

HORSE HOE OR WING COVERER

These tools are used for hoeing and hillling corn, potatoes, and other hoed crops. Many potato-growers use the disc hoe for the first two hillings when it is desirable to cover the young plants completely, but for later hillings use the Wing Coverer, which pushes the earth up under the plant and leaves the foliage on top.

Combination.—We can furnish a frame with both the Wing Coverer and Disc Coverer so that either set may be put on and used.

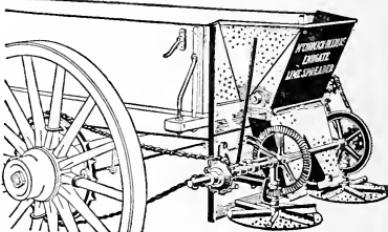




Cahoon Seed Sower

The McCormick-Deering Endgate Lime Spreader is quality-built throughout. It will stand up under hard usage and will serve efficiently under almost all spreading conditions.

The essential features of the McCormick-Deering Endgate Lime Spreader are simplicity, durability, wide sowing range, and a non-clog feed. The extreme simplicity of the McCormick-Deering appeals to the user of farm machines. It means long life at exceptionally low operating cost. It means less deadweight to move over the ground. It means lighter weight and lighter draft without sacrificing needed strength.



ONE-HORSE NONPAREIL LIME AND FERTILIZER SOWER

This one-horse machine was especially designed to meet the growing demand for a machine of this kind. It is the biggest little Sower manufactured, having a sowing swath of only 5 feet, 10 inches, but a capacity of 10 bushels. It has a wide sowing range and will take care of all the different kinds of agricultural lime and commercial fertilizers. This machine is equipped with both cover and screen, $\frac{1}{2}$ inch mesh. Wheel-guards are also supplied to prevent vines and shrubbery from winding in the wheels.

Nonpareil Sowers will distribute successfully every known kind of agricultural lime and commercial fertilizer used on the farm, providing it will pass through the screen into the hopper of the sower. Commercial fertilizer is perhaps the hardest material to sow successfully, and unless it is absolutely dry it is impossible to sow in a satisfactory way less than 600 pounds to the acre.

Wet or damp material is very hard to sow with any degree of success and we do not recommend Nonpareil Sowers for this work. But they are guaranteed to work successfully when material is in fit condition to be put through a sower.

THE STEVENS' HAND FERTILIZER SOWER

The finest Golf-Greens and Lawns can be obtained only by an even distribution of fertilizers

This Sower does the work perfectly, sowing all kinds of lawn-dressing and other commercial fertilizers, wood-ashes, lime, etc., in large or very small quantities. It can be successfully used for fertilizing strawberry beds, and for other garden and field work; is excellent for sifting wood- or coal-ashes, sawdust, or dry sand on icy walks; will also sow damp sand by removing two blades. The hopper is 34 inches long and holds 1 $\frac{1}{2}$ bushels. Weight of machine, 83 pounds. It is well made and nicely painted.

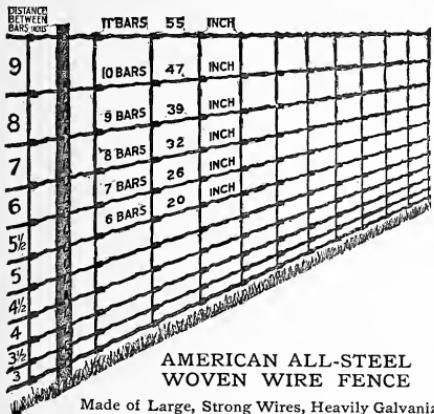


CALCIUM SPREADER

This outfit is for hand use to spread calcium chloride to get rid of the dust that blows in from the gravel highways, roads, driveways, parks, etc., around summer resorts, fine residences, estates, cemeteries, tennis courts, speedways, athletic fields, golf grounds, and everywhere else that dust rises and blows so badly in the summer months that it spoils the grass, shrubs, etc.

This machine will also spread wood-ashes, fertilizers, ground bone, lime, commercial sheep or poultry manure, sand, and lots of other materials that heretofore have been spread with a shovel and broom. We do not offer this Spreader for long miles of gravel highways where a motor or horse machine is required, but for all reasonable-size jobs this Spreader is just what is needed.

WIRE FENCING



Made of Large, Strong Wires, Heavily Galvanized

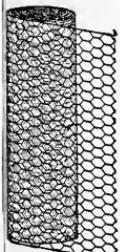
Amply provides for expansion and contraction. Only best Bessemer steel wires used. Always of uniform quality. Never goes wrong, no matter how great a strain is put upon it. Does not mutilate, but does efficiently turn cattle, hogs, and pigs.

Every rod of American Fence guaranteed by the manufacturers. Call and see it. Can show you how it will save you money.

No.	Inches high	12-inch stay Price per rod	6-inch stay Price per rod
845	45	Farm Market Price	Farm Market Price
1047	47	Farm Market Price	Farm Market Price
1155	55	Farm Market Price	Farm Market Price
832	32	Hog Market Price	Hog Market Price
939	39	Hog Market Price	Hog Market Price

POULTRY NETTING
 No. 19 and 20 Wire, 2-in. mesh, 1 foot high.
 No. 19 and 20 Wire, 2-in. mesh, 2 feet high.
 No. 19 and 20 Wire, 2-in. mesh, 3 feet high.
 No. 19 and 20 Wire, 2-in. mesh, 4 feet high.
 No. 19 and 20 Wire, 2-in. mesh, 5 feet high.
 No. 19 and 20 Wire, 2-in. mesh, 6 feet high.
 No. 20 Wire, 1-in. mesh, 1 foot high.
 No. 20 Wire, 1-in. mesh, 2 feet high.
 No. 20 Wire, 1-in. mesh, 3 feet high.
 No. 20 Wire, 1-in. mesh, 4 feet high.

Per roll of 150 ft.
 Market Price



Poultry Netting

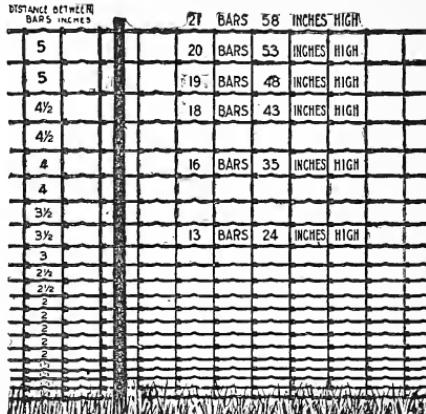


BARBED WIRE. Market Price.

Can be applied over any old roofing whatever. Not affected by heat or cold, rain or snow. Coat your entire old roof with Stormtight, brushing it over the surface. No more leaks, no more patching, no more maintenance expense.

Stormtight
 Liquid, gal. \$2, 5 gal. \$9.50, 10 gal. \$18, 36 gal. \$56.50
 Plastic, lb. 25 cts., 5 lbs. \$1.10, 10 lbs. \$2.10, 25 lbs. \$5

Stormtight is composed of organic materials. We recommend its use in either Liquid or Plastic for application on wounds and for filling cavities in trees.

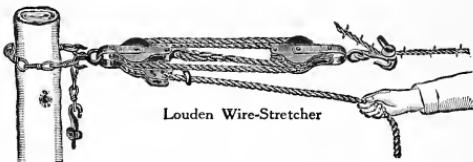


NEW AMERICAN POULTRY FENCE

This is a fence, not a netting, and, as now made, is, without doubt, the best on the market, adequate for all requirements, in fencing against poultry, large and small. Hence, for poultry-yards, gardens, orchards, etc., it is a great favorite. Stays are 6 inches apart. Spacing from 1½ inches at the bottom to 5 inches at the top. Top and bottom bar, No. 11 wire; intermediate bars, No. 13 wire; stays, No. 14 wire.

The fence costs but little more than the ordinary netting, and in all ways is far superior.

No. 1948. 6-inch stay Market Price
 No. 2158. 6-inch stay Market Price



LOUDEN WIRE-STRETCHER

For Stretching Wire. Double-tackle block power stretches barbed or plain wire as tight as a fiddle-string. Equipped with better than ordinary wire eccentrics—ground and fitted. Holds the wire in a grip that cannot slip.

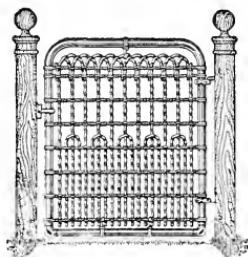
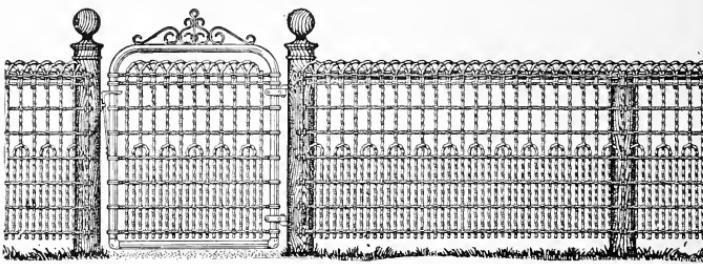
For Hoisting. Enables one man to change wagon-boxes, lift gas engines, and handle heavy loads easily. A handy helper which soon pays its cost in time and labor saved. Saves time, labor, and heavy lifting.

LAWN FENCE

Style "F" fabric is sanitary and attractive. It opens up the view, making gardens, lawns, and playgrounds possible.

Pickets are all No. 9 heavily galvanized wire, woven perfectly even, chicken-tight, and spaced $2\frac{1}{8}$ inches apart at the top and $1\frac{1}{8}$ inches at the bottom.

Best heights are 36, 42, and 48 inches. Market price.



GARDEN GATES

Low-priced, strong, durable.

36, 42, and 48 inches are popular heights.

Market price.

Write for prices on 8-, 10-, 12-, 14-, and 16-foot Farm Gates.

TREE GUARD

Ready to set up by clasping hooked ends.

Spiral spring protects tree, without shading, rubbing, or bruising the bark.

Made 6 feet high, of heavily galvanized wire, and 9 inches in diameter. Market price.



Tree Guard



THE COW'S THREE BEST FRIENDS

FLOWER GUARD

Protects flower-beds in lawns, parks, and boulevards. Keeps out children, also chickens, dogs, cats, etc. Fabric may be cut to any desired length to fit any shape or size of flower-bed.

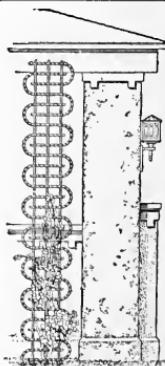


Pickets No. 9, cables No. 13 heavily galvanized wire. Made in two heights, 16- and 22-inch. Market price.

WE GUARANTEE that no thing but the very highest-grade materials enter into the construction of any of our Ornamental Fences and Gates, that the workmanship and construction throughout are such as will conform to every illustration and description. If upon receipt of any shipment the goods are found not to be as represented they may be returned, at our expense, and your money will be cheerfully refunded.

SINGLE TRELLIS

Practical and durable; very attractive in appearance. Retains its shape, and can be cut to any length; well adapted for climbing vines and flowers. 18 inch, per lineal foot, market price.



Single Trellis

RED CROSS LINES



RED CROSS WINE AND FRUIT-PRESSES

	Size of screw	Size of tub outside	Weight
No. 1.....	1 1/8 x 18 3/4 inches.....	12 x 10 inches.....	72 lbs.....
No. 2.....	1 1/2 x 20 1/2 inches.....	14 x 12 inches.....	99 lbs.....
No. 3.....	2 x 23 1/2 inches.....	19 x 22 inches.....	167 lbs.....

All have Heavy Iron Crosshead and Cold Rolled Steel Press-Screw.

RED CROSS HAND AND POWER
CIDER MILLS

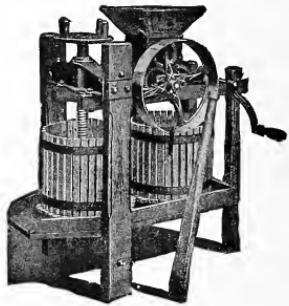
	Size of tub outside	Weight
Force Feed, 1 tub.....	14 x 12 inches.....	140 lbs.
Junior, 2 tubs.....	12 x 10 inches.....	190 lbs.
Medium, 2 tubs.....	12 x 12 inches.....	235 lbs.
Senior, 2 tubs.....	19 x 22 inches.....	345 lbs.
Capacity: Force Feed, 2 bbls. per day; Junior, 4 bbls.; Medium, 6 bbls.; Senior, 12 bbls.		

The Senior is equipped with two cranks for hand operation and a heavy pulley for power.

Ask for general descriptive catalogue of these and the larger Mills. We will be pleased to quote the lowest market price at any time.



SELF FEED MILL
Force-Feed One-Tub Mill



Senior Two-Tub Mill

POULTRY REMEDIES AND SUPPLIES

CONKEYEY'S POULTRY REMEDIES

Roup Remedy. 25 cts., 50 cts., and \$1 ea.
Roup Pills. 25 cts., 50 cts., and \$1 each.
Cholera Remedy. 25c., 50c., and \$1 each.
Gape Remedy. 30 cts., and 55 cts. each.
White Diarrhea Remedy. 25 cts., 50 cts., and \$1 each.
Sorehead Remedy. 30 cts. each.
Canker and Bronchitis Remedy. 50c. ea.
Limernecker Remedy. 55 cts. each.
Poultry Worm Remedy. 30 cts. each.
Scaly Leg Remedy. 25 cts. each.
Lice Powder. 20 cts., 35 cts., and 75 cts. each.
Head-Lice Ointment. 10 cts. each.
Lice Fix. 25 cts. each.
Conkey's Y-O. 65c., \$1.15, and \$2.50 ea.
Buttermilk Starting Food. 25c. to \$5 each.

LEE'S POULTRY REMEDIES

Germozone, (Liquid.) 75 cts., \$1.50, \$2.50, and \$4.50 each.
Lice Killer. 60 cts., 90 cts., and \$1.50 each.
Poultry Wormer. \$1 each.
Flu-Koff Emulsion. \$1 and \$2 each.

PRATT'S POULTRY REMEDIES

Poultry Regulator. 25 cts. and 50 cts. each.
Powdered Lice Killer. 25c. and 50c. each.
Roup Powder. 25 cts., 50 cts., and \$1 each.
Roup Tablets. 25 cts., 50 cts., and \$1 each.
White Diarrhea Tablets. 25c. and 50c. ea.
Gape Compound. (External use.) 25 cts. and 50 cts. each.
Baby Chick Feed. 25 cts. to \$5 each.
Poultry Disinfectant. 55 cts., 90 cts., and \$1.50 each.
Dip and Disinfectant. 55 cts., 90 cts., and \$1.50 each.
Condition Tablets. 25 cts. each.
Head Lice Ointment. 30 cts. each.
Sore Head Chicken-Pox Preparation. 30 cts. each.
Scaly Leg Ointment. 30 cts. each.
Lice Salve. 25 cts. and 50 cts. each.
Liquid Lice Killer. 50 cts., 85 cts., and \$1.35 each.
Red Mite Special. 50c., 90c., and \$1.50 ea.
Chicken Bronchitis Tablets. 25 cts. and 50 cts. each.
Blackhead Remedy. (For turkeys.) \$1 ea.

WIRTHMORE FEEDS

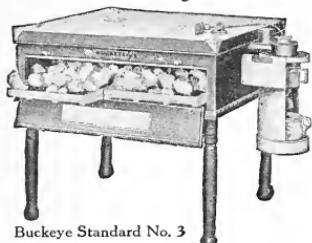
Buttermilk Baby Chick-Food. 25c. to \$5 ea.
Gritless Chick-Feed.
Intermediate Chick-Feed.
Growing Feed with Buttermilk.
Scratch-Feed.
Mash with Buttermilk.
Market Price

POULTRY FOUNTS AND FEEDERS

Drew Chick-Founts.
Felker's Chick-Founts.
Moe's Chick-Founts.
Sexton and Felker's Poultry-Founts.
Earthenware Founts.
Sexton Chick-Feeders.
Moe's Chick-Feeders.
Felker's Chick-Feeders.
Sexton Poultry-Feeders.
Felker's Poultry-Feeders.
Moe's Poultry-Feeders.

Prices on application

Buckeye Incubators Hatch More and Better Chicks

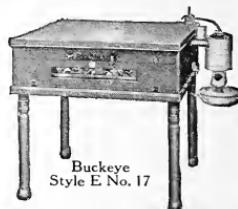


Buckeye Standard No. 3

There are two styles of the Buckeye Incubator—The Buckeye Standard and the Buckeye Style E. They are the result of over thirty-five years of study and experiment, and they include today every possible device for the promotion of the highest efficiency in incubation. **There are no other Incubators like them.** They will hatch more chicks and better chicks than any other Incubator in the world. Buckeye Standard Incubators are made with a double-thick case, the outer layer of which is California redwood. Heat insulation is practically perfect. The **hot water** circulating tank is of **pure copper**—it will never rust or corrode. The automatic regulator is the most perfect device of its kind ever invented—it **assures** the uniform temperature essential to proper incubation at all times and

without any attention whatever. The lamp is supplied with either an oil or gas burner—each one efficient, economical in operation, dependable and **fireproof**. Buckeye Style E Incubators are a little more simply constructed and a little less expensive in price—but they contain **all the essential features of Buckeye design.**

NOTE THIS: Both Buckeye Standard and Buckeye Style E Incubators carry every time and under all conditions. You can select either type of Buckeye Incubator and be sure of the best possible hatching results.



Buckeye Style E No. 17

without any attention whatever. The lamp is supplied with either an oil or gas burner—each one efficient, economical in operation, dependable and **fireproof**. Buckeye Style E Incubators are a little more simply constructed and a little less expensive in price—but they contain **all the essential features of Buckeye design.**

NOTE THIS: Both Buckeye Standard and Buckeye Style E Incubators carry every time and under all conditions. You can select either type of Buckeye Incubator and be sure of the best possible hatching results.

Capacities, Weights, and Prices of Buckeye Incubators S T A N D A R D

No. 1 120 eggs (100 lbs.)	\$37 50	No. 4 350 eggs (230 lbs.)	\$68 00	No. 14 65 eggs (55 lbs.)	\$16 50
No. 2 175 eggs (135 lbs.)	44 50	No. 5 600 eggs (325 lbs.)	107 00	No. 16 120 eggs (85 lbs.)	27 50
No. 3 250 eggs (200 lbs.)	57 75			No. 17 210 eggs (125 lbs.)	36 75

STYLE E

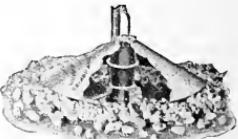
No. 14 65 eggs (55 lbs.)	\$16 50
No. 16 120 eggs (85 lbs.)	27 50
No. 17 210 eggs (125 lbs.)	36 75

Buckeye Colony Brooders Raise Every Raisable Chick



Buckeye Oil Burner

Buckeye Colony Brooders are made in two types—coal-burning and oil-burning. The coal-burning Buckeye is made with the most scientifically designed Brooder stove ever invented. An accurate double-wafer thermostat assures uniform temperature at all times, **holds** an even fire and prevents it from going out. The oil-burning Buckeye has an extra-large wick burner, elongated supply line and leak-proof fuel tank. Both types are remarkably economical in operation, require attention only twice a day and are absolutely **fireproof**. They keep the chicks warm, contented, and lively, insuring sound, rapid growth.



Buckeye Coal Burner

Capacities, Weights and Prices

COAL BURNING		OIL BURNING	
No. 117 350 chicks (75 lbs.)	\$16 50	No. 27a 200 chicks (40 lbs.)	\$17 50
No. 118 500 chicks (95 lbs.)	21 50	No. 28a 350 chicks (50 lbs.)	20 00
No. 119 1,000 chicks (109 lbs.)	26 50	No. 29a 500 chicks (60 lbs.)	22 50

The Buckeye Portable Brooder

A reliable lamp-heated Brooder that assures a constant circulation of fresh, pure air. Simple and inexpensive to operate. Ideal for small flocks.

Capacities, Weights and Prices

No. 20 60 chicks (19 lbs.)	\$11 75
No. 21 100 chicks (23 lbs.)	15 50
No. 22 150 chicks (33 lbs.)	19 00

WRITE FOR THE BIG BUCKEYE CATALOGUE. It is the most valuable poultry book published. Tells how to feed, brood, and cull; how to pick best layers; how to secure eggs in winter, how to market for bigger profits. For Buckeye parts write for Buckeye Parts Price Book.

Certain-teed Roofing

Quality
Certified

It means the best protection for your buildings

Durability
Guaranteed

Price per roll, 1-ply, 2-ply, and 3-ply at lowest market price

Lone Star Roofing

The question of a desirable Roofing at a reasonable price presents itself to many of our customers, and in view of these conditions we wish to call to your special attention our Lone Star Roofing.

This Roofing will give the most satisfactory service under any climatic conditions, is weather- and waterproof, elastic, durable and fire-retarding. For temporary structures we recommend the use of 1-ply; for permanent buildings we recommend the use of the 2- and 3-ply. **Per roll, lowest market price.**

ORDER SHEET 1928

The W. E. BARRETT COMPANY

SEEDS, FARM AND GARDEN TOOLS
FERTILIZERS, ETC.

Canal and Waterman Sts., PROVIDENCE, R. I.

Your Name (*Mr., Miss*)—
or Mrs.)—

Street Address or
No. Rural Deliver

Post Office.

County.

Forward this order by—

Station or Express Office.

(Only if different from Post Office)

Date _____ 19

Amount Enclosed

P. O. Order . . . \$—

Postage Stamps . \$_____

Draft or Check . \$_____

Coin \$_____

Filled by _____

Date shipped _____

The W. E. Barrett Company give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

SPECIAL NOTICE: We shall esteem it a great favor if you will give us below, the NAMES and ADDRESSES of any of your friends that are interested in gardening. We wish to send them our CATALOGUE

*Farmers and Market-Gardeners Are Cordially Invited to Make Our
Store Their Headquarters when in Providence*

Number of plants to the acre at given distances

Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants	Dis. apart	No. plants
12 x 1 in.	522,720	24 x 24 in.	10,890	36 x 36 in.	4,840	60 x 60 in.	1,743		
12 x 3 "	174,240	30 x 1 "	209,080	42 x 12 "	12,446	8 x 1 ft.	5,445		
12 x 12 "	43,560	30 x 6 "	34,848	42 x 24 "	6,223	8 x 3 "	1,815		
16 x 1 "	392,040	30 x 12 "	17,424	42 x 36 "	4,148	8 x 8 "	680		
18 x 1 "	348,480	30 x 16 "	13,068	48 x 12 "	10,890	10 x 1 "	4,256		
18 x 3 "	116,160	30 x 20 "	10,454	48 x 18 "	7,790	10 x 10 "	1,435		
18 x 12 "	29,040	30 x 24 "	8,712	48 x 24 "	5,445	10 x 10 "	1,178		
18 x 18 "	19,360	30 x 30 "	6,970	48 x 30 "	4,356	12 x 5 "	3,630		
20 x 1 "	313,635	36 x 3 "	58,080	48 x 36 "	3,672	12 x 12 "	302		
20 x 20 "	156,881	36 x 12 "	14,520	48 x 48 "	2,723	12 x 12 "	302		
24 x 1 "	261,360	36 x 18 "	9,680	60 x 36 "	2,501	16 x 1 "	2,722		
24 x 18 "	15,520	36 x 24 "	7,260	60 x 48 "	2,178	16 x 16 "	170		

Quantity of seed requisite to produce a given number of plants and sow an acre

	Quantity per acre	Quantity per acre						
Asparagus, 1 oz. to 800 plants.	4 lbs.	25 to 30 lbs.						
Asparagus roots.	5,000 to 8,000	25 to 35 "						
Barley.	120 lbs.	50 "						
Beans, Dwarf, 1 lb. to 100 feet of drill.	60 "	1/2 "						
Beans, Pole, 1 lb. to 100 hills.	30 "	2 "						
Beet, Garden, 1 oz. to 100 feet of drill.	7 "	4 "						
Beet, Mangel, 1 oz. to 100 feet of drill.	5 "	3 "						
Broccoli, 1 oz. to 5,000 plants.	4 ozs.	1/2 to 4 "						
Brussels Sprouts, 1 oz. to 5,000 plants.	4 "	2 "						
Buckwheat.	48 lbs.	1/2 "						
Cabbage, 1 oz. to 5,000 plants.	4 ozs.	1/2 "						
Carrot, 1/4 oz. to 100 feet of drill.	232 lbs.	10 to 12 "						
Cauliflower, 1 oz. to 5,000 plants.	4 ozs.	4 "						
Celery, 1 oz. to 15,000 plants.	2 "	100 "						
Chicory.	4 lbs.	4 to 5 "						
Clover, Alsike.	6 "	4 "						
" Alfalfa or Lucerne.	15 to 25 "	1/2 "						
" Mammoth.	8 to 12 "	1/2 "						
" Medium.	8 to 12 "	1/2 "						
" White Dutch.	6 "	1/2 "						
Corn, Field.	15 "	1/2 "						
" Sweet, 1/4 lb. to 100 hills.	60 "	1/2 "						
Cowpeas, in drills.	1 to 3 "	1/2 "						
Cucumber, 1 oz. to 100 hills.	5 "	1/2 "						
Dill, 1/2 oz. to 100 feet of drill.	4 ozs.	1/2 "						
Eggplant, 1 oz. to 2,000 plants.	4 1/2 lbs.	1/2 "						
Endive, 1/4 oz. to 100 feet of drill.	15 to 20 "	1/2 "						
Grass, Blue, Kentucky.	25 "	1/2 "						
" Millet, Japanese.	15 to 20 "	1/2 "						
" Mixed, Lawn.	60 to 100 "	1/2 "						
" Red-Top, Fancy.	15 "	1/2 "						
" Rhode Island Bent.	25 to 40 "	1/2 "						
Per bus.	Per bus.	Per bus.						
Barley.	48 lbs.	Corn, Field, on ear.	.70 lbs.	Millet, Common.	.50 lbs.	Rye.	.50 lbs.	Per bus.
Beans.	60 "	" Sweet.	.50 "	Millet, German or Golden.	.50 "	Sorghum.	.50 "	56 lbs.
Buckwheat.	48 "	Grass, Hungarian.	.48 "	Peas, smooth.	.60 "	Vetch or Tare.	.60 "	
Clover.	60 "	" Timothy.	.45 "	" wrinkled.	.56 "	Wheat.	.60 "	
Corn, Field, shelled.	56 "	Hemp.	.40 "	Rape.	.50 "	Oats.	.32 "	

Standard weights of various articles

Page	Page	Page	Page	Page	Page	Page	Page	Page	Page
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Amaranthus.	33	Cauliflower.	6	Dusty Miller.	33	Insecticides.	39, 40	Onopatra.	30
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Anemone.	33	Centaurea.	28, 33	Echinocystis.	1, 32	Poppy.	1	Onions.	32
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Asterula.	26, 33	Cineraria.	33	Eschscholtzia.	28	Pea Seeds.	19	Pentstemon.	19
Baby's Breath.	34	Clematis.	35	Euphorbia.	33	Peas, Law.	19	Pentstemon.	34
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" 1-3, 22		Coleus.	33	Finocchio.	10	Lobelia.	29	Petunias.	31
Beets.	3, 18	Comlumbia.	33	Flovier.	26-32	Love-in-a-mist.	30	Phlox.	31, 35
Begonias.	35, 37	Coreopsis.	33	Foliage Plants.	33	Lupinus, facing.	33, 29, 34	Pinks.	34
Bellflower.	34	Crocosmia.	33	Forget-me-not.	34	Mangold.	27, 29	Poppies, facing.	33, 28
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Brussels Sprouts.	4	Cucumbers.	18, 21, 22	French Lavender.	34	Matricaria.	29	Verbenas.	32
Buckwheat.	22	Cultures, Mulford.	22	Gardening.	17	Portulaca.	30	Violas.	32
Butterfly Flower.	32	Cordatricia.	24	Gardinia.	28	Potatoes, Seed.	30, 35	Watermelons.	12
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